

## Appendix A7: Constituent Removal Analyses from Full-Scale Column Tests

This appendix contains information pertaining to the removal of major constituents from the treated stormwater by each media column during long-term, full-depth, column tests. The following describes the sets of figures in this appendix:

The appendix is organized showing the removal results for the main constituents for each of the ten media combinations examined, in the following order:

- Granular activated carbon (GAC)
- Peat moss (P)
- Rhyolite sand (R)
- Site filter sand
- Site zeolite (Z)
- Surface modified zeolite (SMZ)
- Rhyolite sand and surface modified zeolite (R-SMZ)
- Rhyolite sand – surface modified zeolite – granular activated carbon (R-SMZ-GAC)
- Rhyolite sand, surface modified zeolite, granular activated carbon, and peat moss (R-SMZ-GAC-P)
- Layered site filter sand, site zeolite, and granular activated carbon (layered S-Z-GAC)

Each section describes performance with the following plots and tables:

- ANOVA for regression plot of influent vs. effluent concentration, but particle size category
- Scatterplot of influent vs. effluent concentrations, with best-fit regression line and equation (or COV if a constant)
- Line plot showing influent vs. effluent concentrations, along with Sign test significance p
- Scatterplot but without regression line to better see actual data

The equations shown on the plots are based on the ANOVA evaluations. If the intercept term is not significant, then the ANOVA was recalculated and only the slope term is used in the equation. If the slope term is not significant, then there is not a relationship between the variables and the average and COV values are shown. In the report tables in Section 4.3, these equations are not presented if there was not a significant difference between the column influent and effluent values, based on the nonparametric Sign test.

In each of these sets, these analyses are presented for different particle size categories. The particle size categories examined are:

- Nitrites
- Nitrates
- Ammonia
- Total phosphorus
- COD
- pH

Conductivity  
 ORP  
 Color  
 Fluoride  
 Sulfate  
 Phosphate  
 Total nitrogen  
 UV-254  
 Chloride  
 Hardness  
 Nitrites plus nitrates

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# Granular Activated Carbon

## Nitrite

### SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.353
R Square	0.124
Adjusted R Square	-0.051
Standard Error	0.156
Observations	7.000

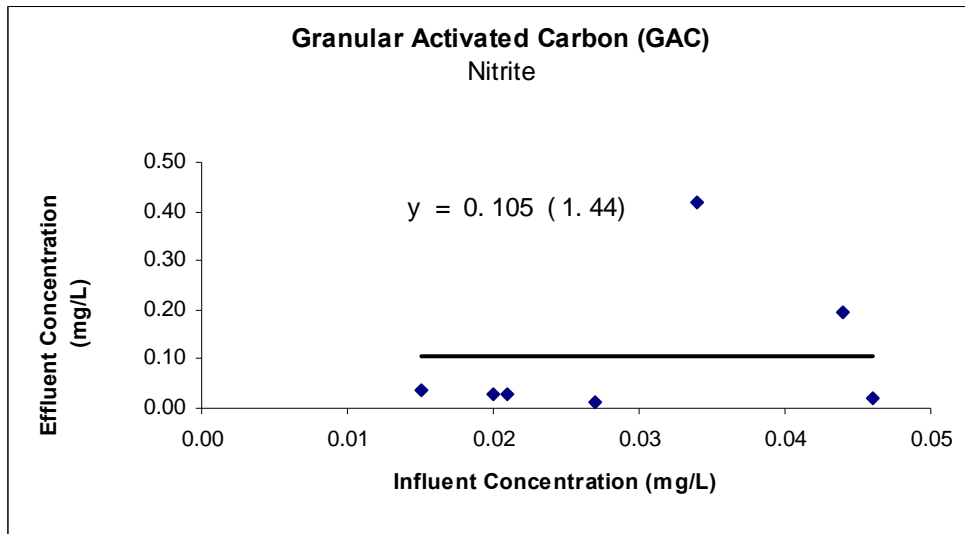
### ANOVA

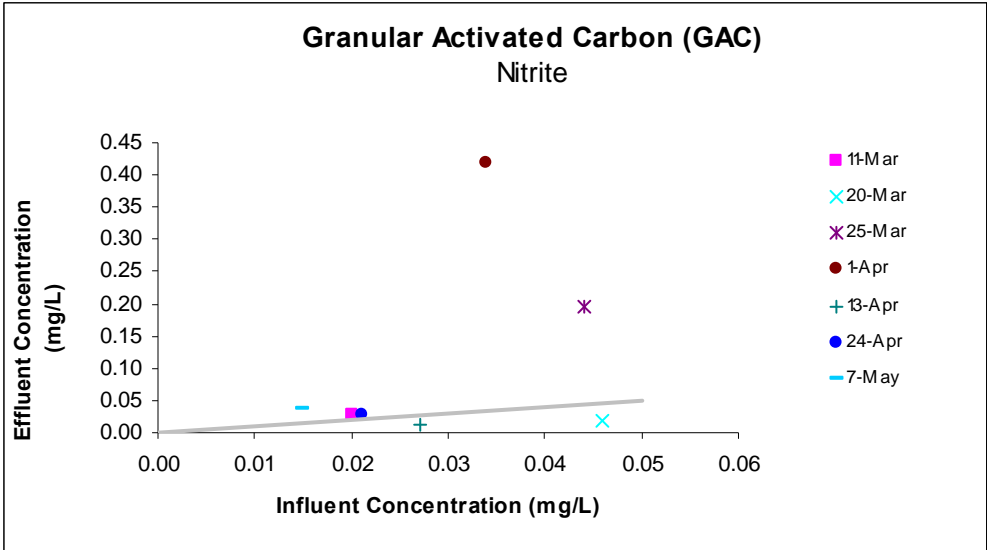
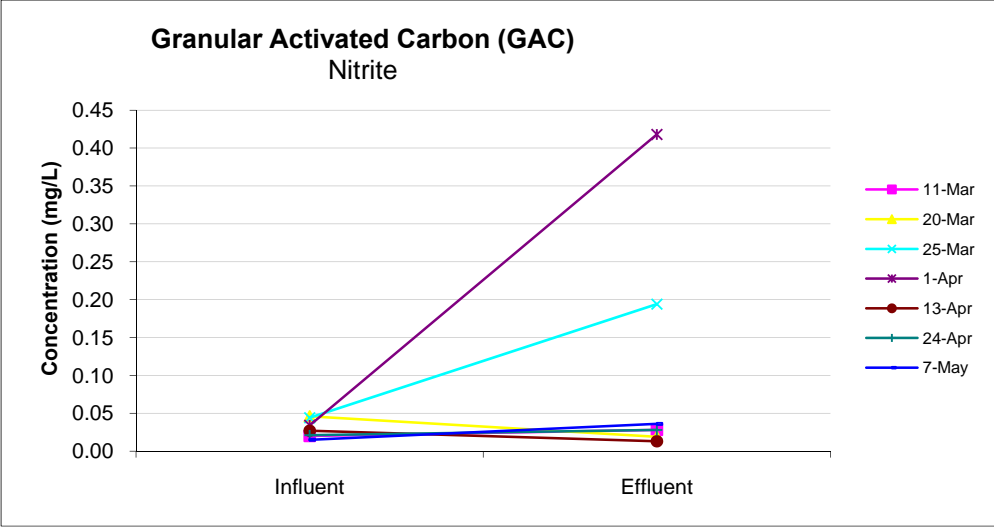
	df	SS	MS	F	Significance F
Regression	1.000	0.017	0.017	0.711	0.438
Residual	5.000	0.121	0.024		
Total	6.000	0.138			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-0.026	0.166	-0.154	0.884	-0.452	0.401	-0.452	0.401
X Variable 1	4.419	5.242	0.843	0.438	-9.056	17.895	-9.056	17.895

### RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.063	-0.035
2	0.178	-0.159
3	0.169	0.025
4	0.125	0.293
5	0.094	-0.081
6	0.067	-0.039
7	0.041	-0.005





# Nitrate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.182
R Square	0.033
Adjusted R Square	-0.160
Standard Error	0.310
Observations	7.000

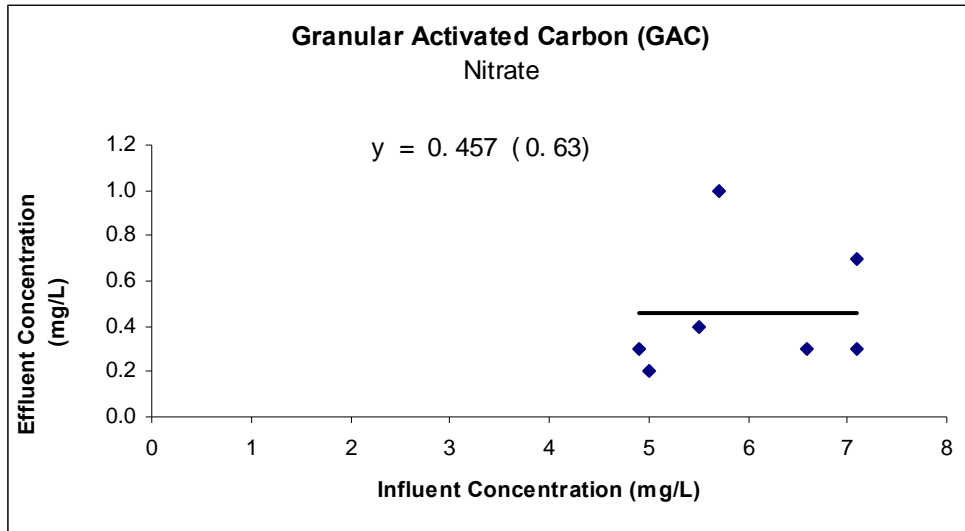
## ANOVA

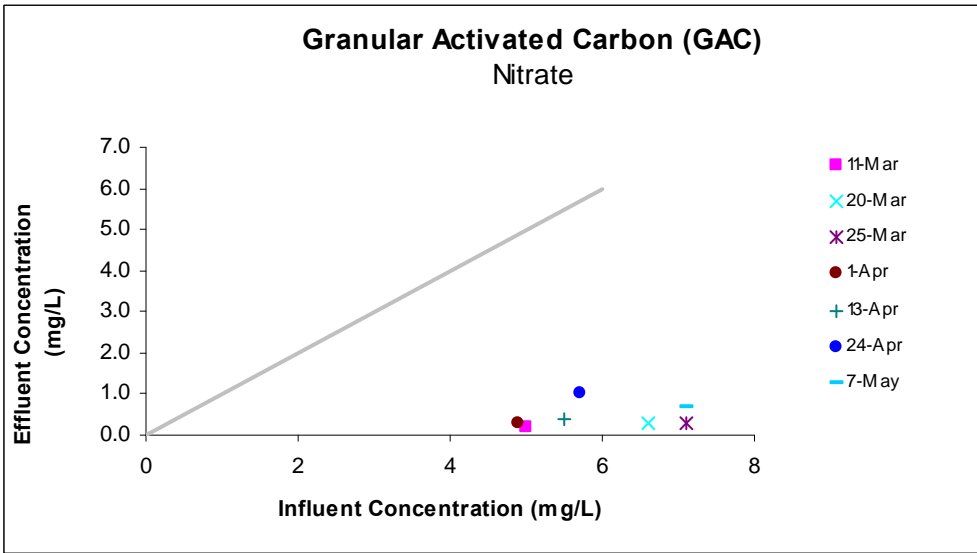
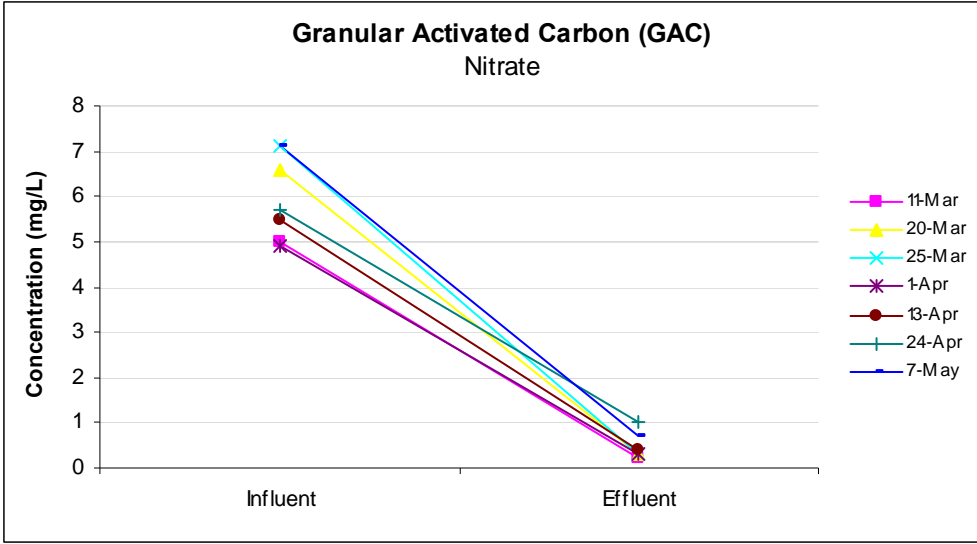
	df	SS	MS	F	Significance F
Regression	1.000	0.016	0.016	0.171	0.697
Residual	5.000	0.481	0.096		
Total	6.000	0.497			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.125	0.813	0.154	0.884	-1.964	2.214	-1.964	2.214
X Variable 1	0.055	0.134	0.413	0.697	-0.290	0.401	-0.290	0.401

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.402	-0.202
2	0.491	-0.191
3	0.519	-0.219
4	0.397	-0.097
5	0.430	-0.030
6	0.441	0.559
7	0.519	0.181





# Ammonia

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.170
R Square	0.029
Adjusted R Square	-0.165
Standard Error	0.628
Observations	7.000

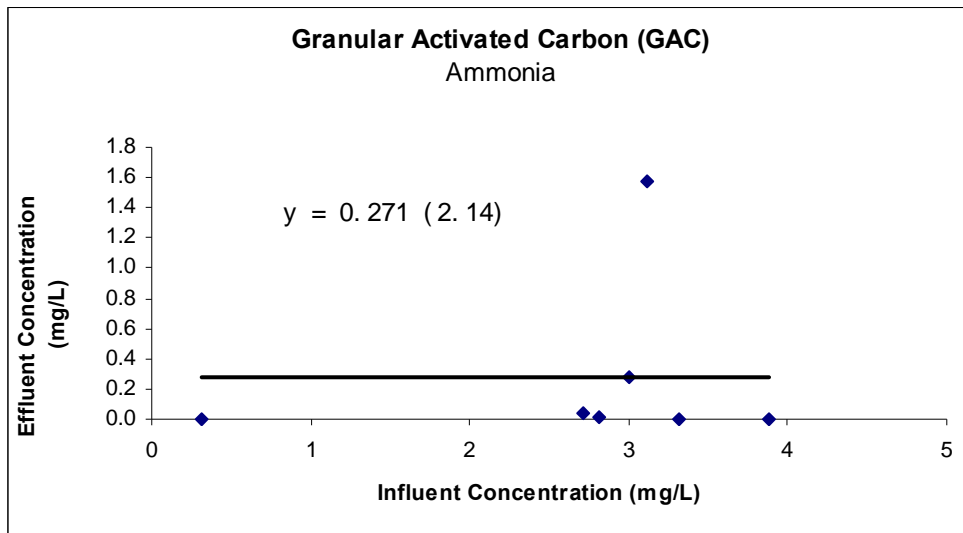
## ANOVA

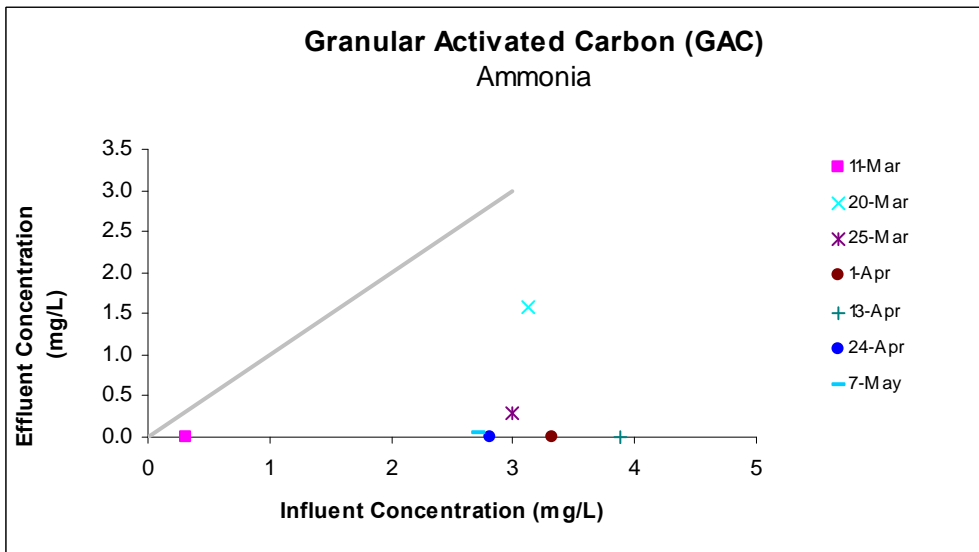
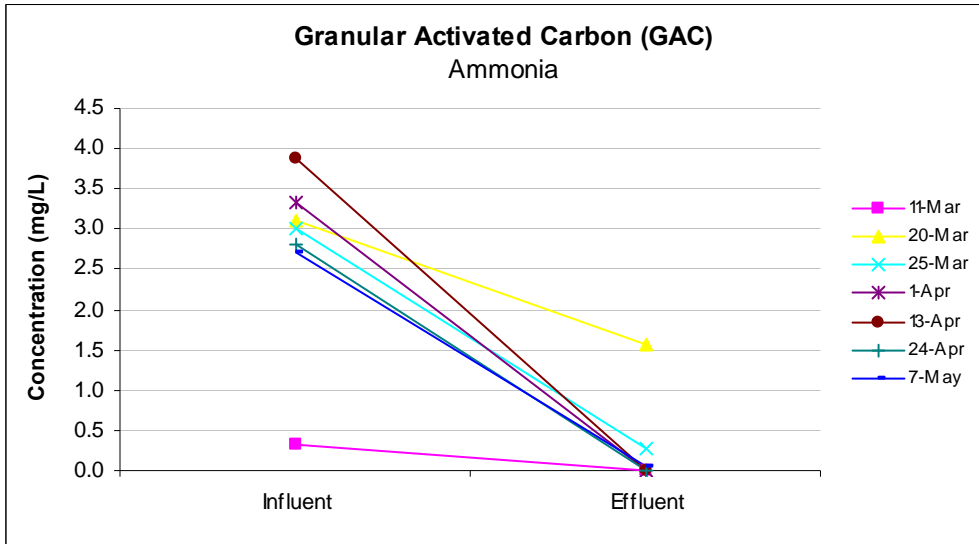
	df	SS	MS	F	Significance F
Regression	1.000	0.059	0.059	0.148	0.716
Residual	5.000	1.971	0.394		
Total	6.000	2.029			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.033	0.663	0.050	0.962	-1.672	1.737	-1.672	1.737
X Variable 1	0.087	0.226	0.385	0.716	-0.494	0.668	-0.494	0.668

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.061	-0.061
2	0.305	1.265
3	0.294	-0.014
4	0.322	-0.322
5	0.371	-0.371
6	0.279	-0.269
7	0.269	-0.229







# TP

## SUMMARY OUTPUT

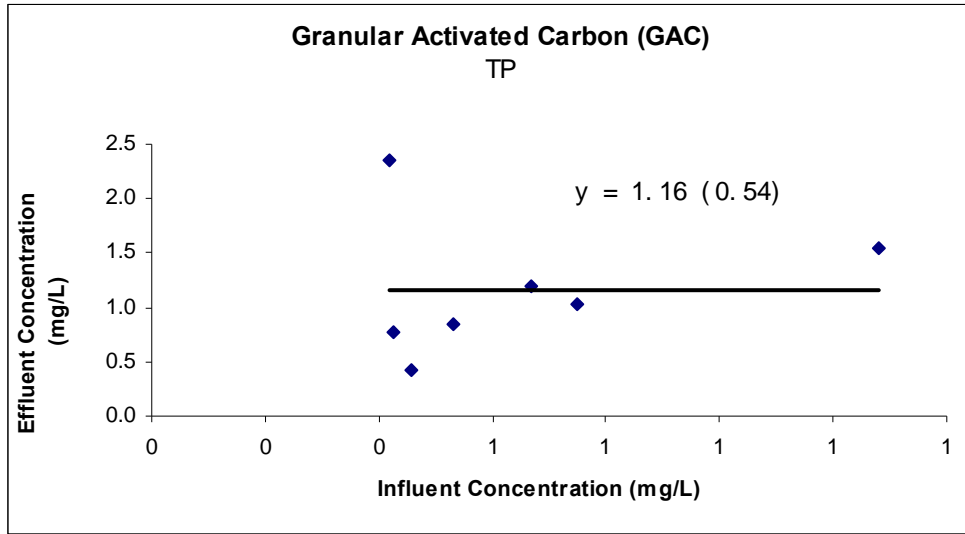
Regression Statistics	
Multiple R	0.189
R Square	0.036
Adjusted R Square	-0.157
Standard Error	0.681
Observations	7.000

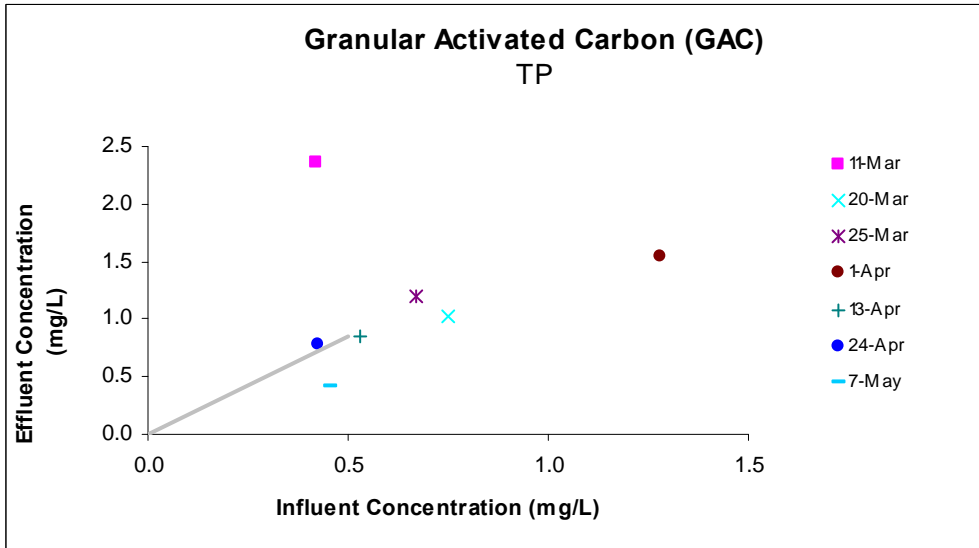
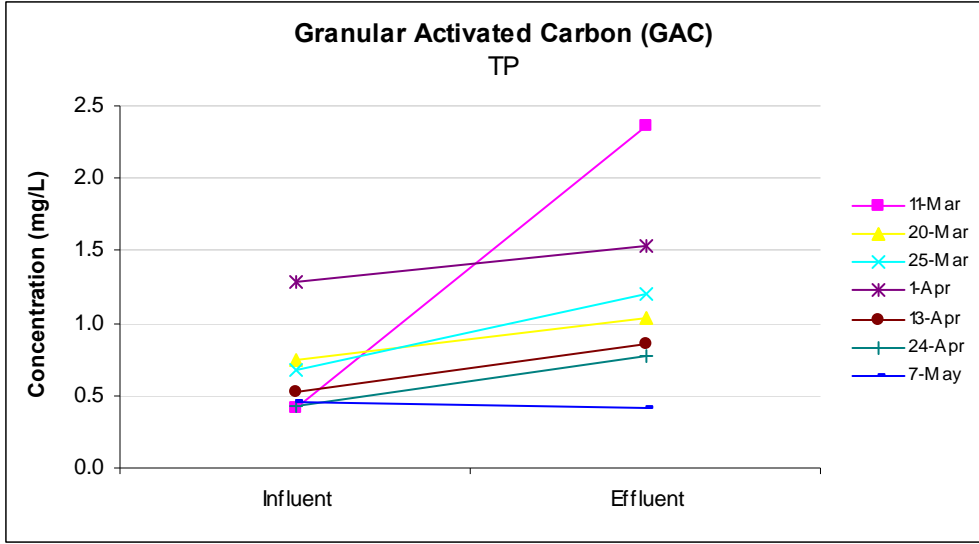
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.086	0.086	0.185	0.685
Residual	5.000	2.320	0.464		
Total	6.000	2.405			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.914	0.642	1.423	0.214	-0.737	2.565	-0.737	2.565
X Variable 1	0.390	0.909	0.430	0.685	-1.946	2.726	-1.946	2.726

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.078	1.282
2	1.207	-0.177
3	1.175	0.025
4	1.414	0.126
5	1.121	-0.271
6	1.081	-0.308
7	1.092	-0.678





# COD

## SUMMARY OUTPUT

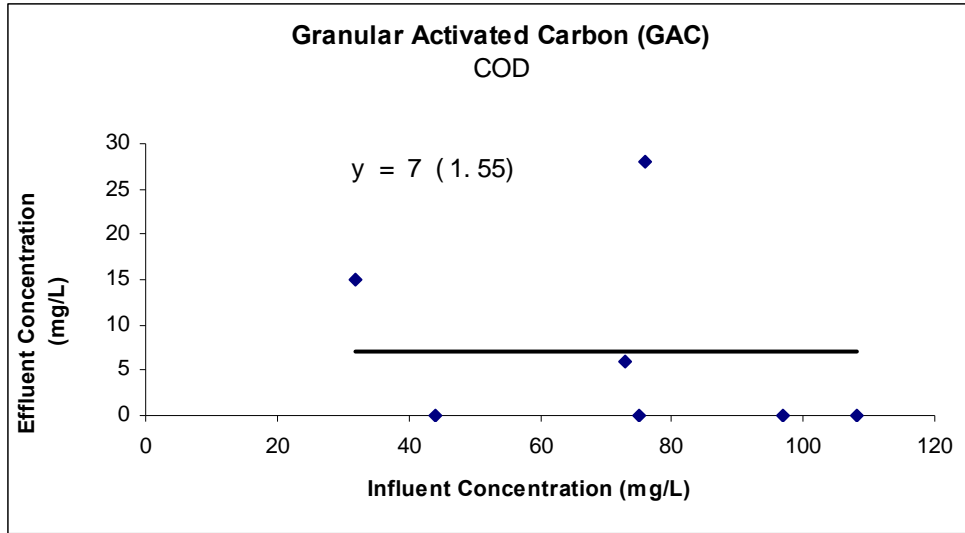
Regression Statistics	
Multiple R	0.280
R Square	0.079
Adjusted R Square	-0.106
Standard Error	11.374
Observations	7.000

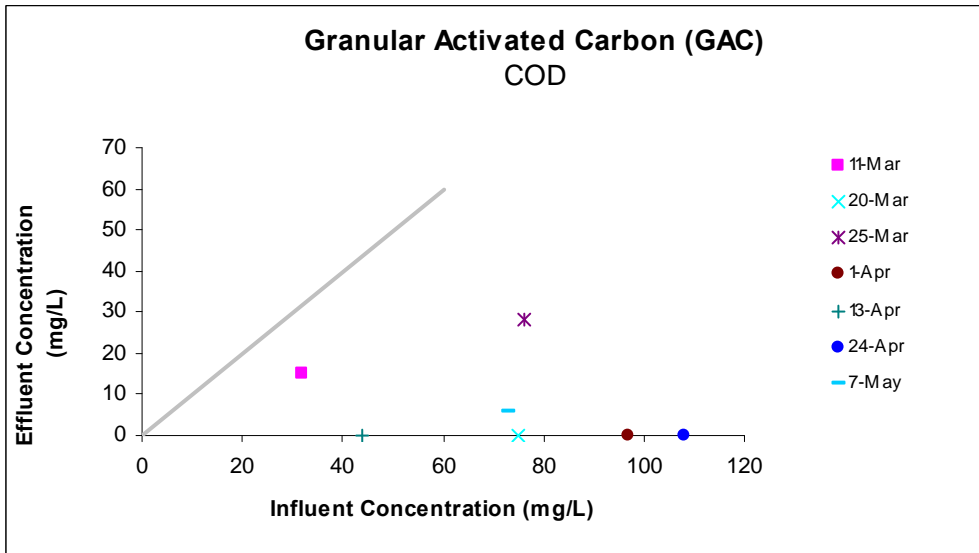
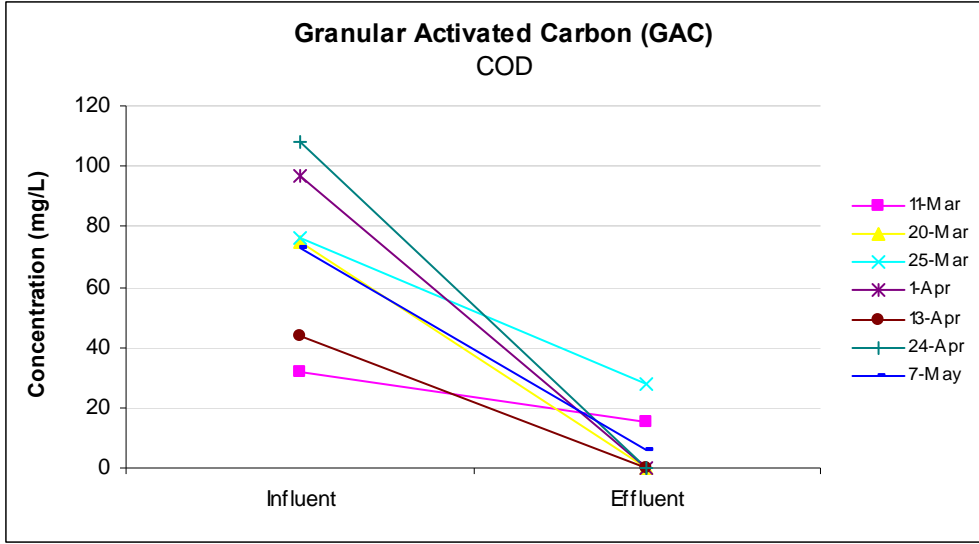
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	55.213	55.213	0.427	0.542
Residual	5.000	646.787	129.357		
Total	6.000	702.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	15.146	13.188	1.148	0.303	-18.756	49.048	-18.756	49.048
X Variable 1	-0.113	0.173	-0.653	0.542	-0.557	0.331	-0.557	0.331

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	11.533	3.467
2	6.677	-6.677
3	6.564	21.436
4	4.193	-4.193
5	10.178	-10.178
6	2.951	-2.951
7	6.903	-0.903





# pH

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.585
R Square	0.319
Adjusted R Square	0.183
Standard Error	0.633
Observations	7.000

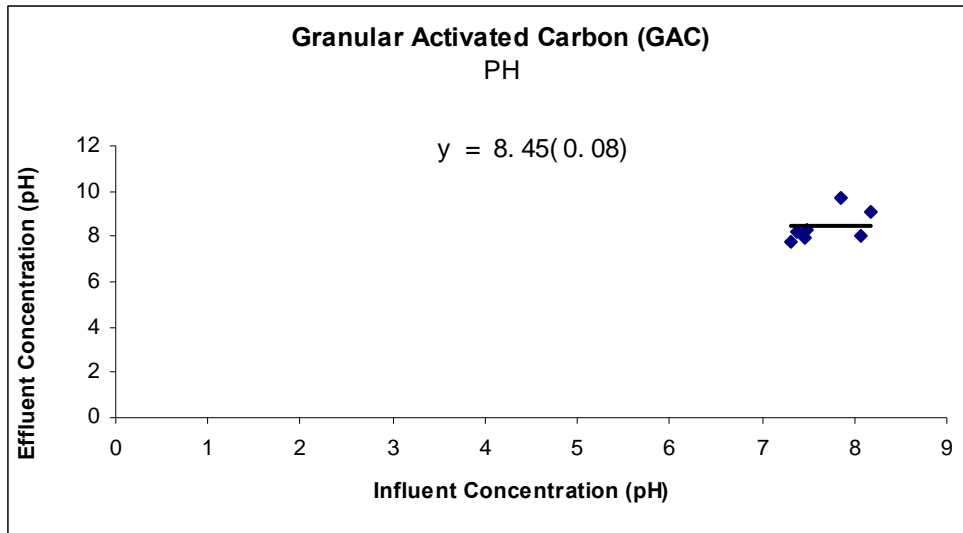
## ANOVA

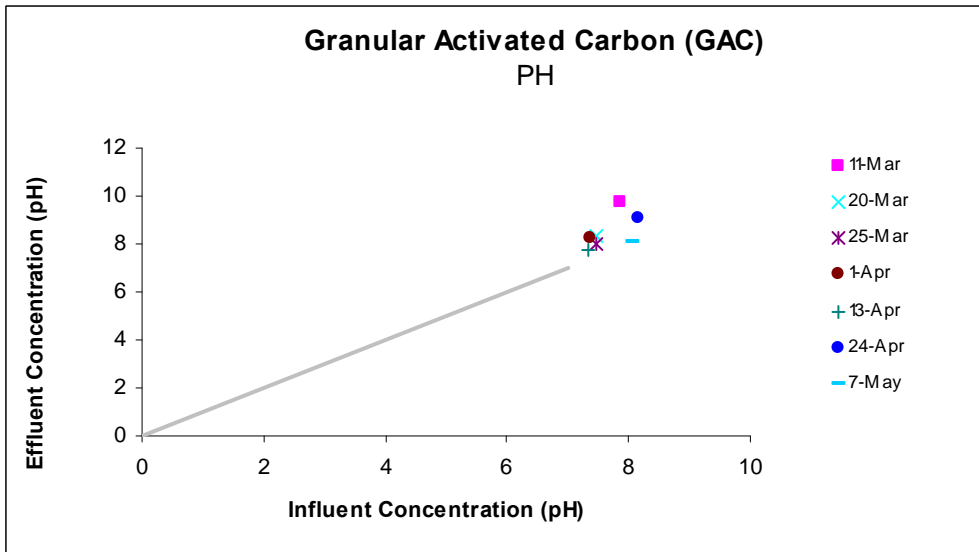
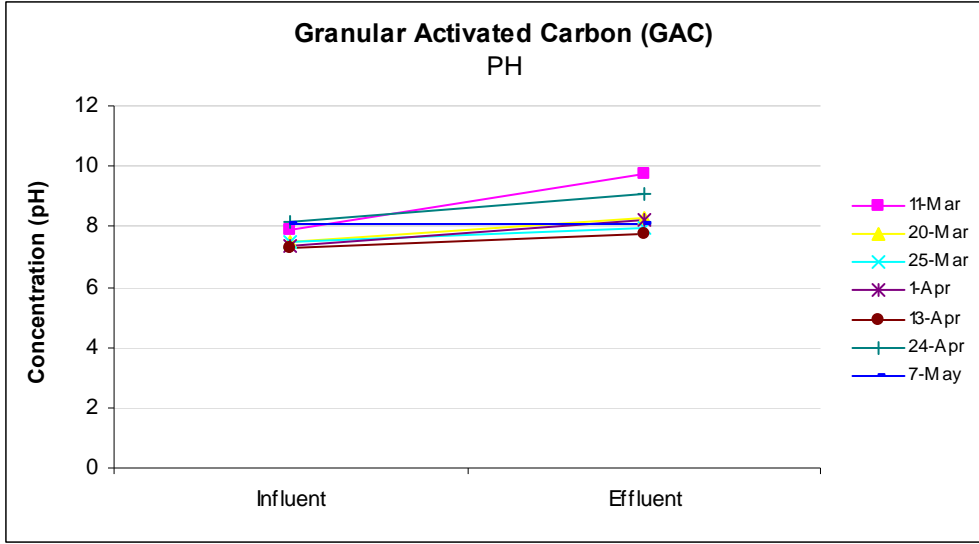
	df	SS	MS	F	Significance F
Regression	1.000	0.940	0.940	2.344	0.186
Residual	5.000	2.005	0.401		
Total	6.000	2.945			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-0.234	5.678	-0.041	0.969	-14.831	14.362	-14.831	14.362
X Variable 1	1.131	0.739	1.531	0.186	-0.768	3.031	-0.768	3.031

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	8.658	1.062
2	8.228	0.082
3	8.217	-0.237
4	8.104	0.146
5	8.047	-0.297
6	9.009	0.081
7	8.896	-0.836





# Conductivity

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.012
R Square	0.000
Adjusted R Square	-0.200
Standard Error	48.753
Observations	7.000

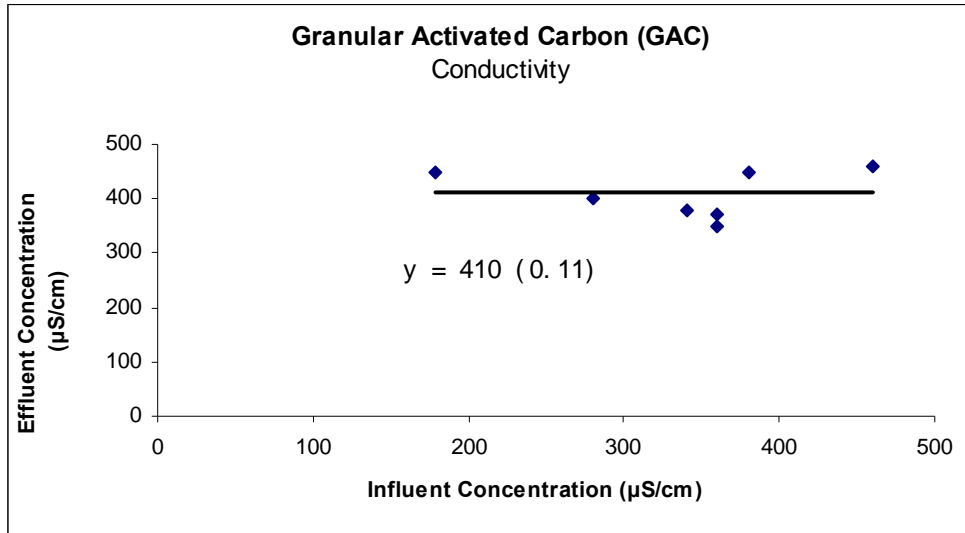
## ANOVA

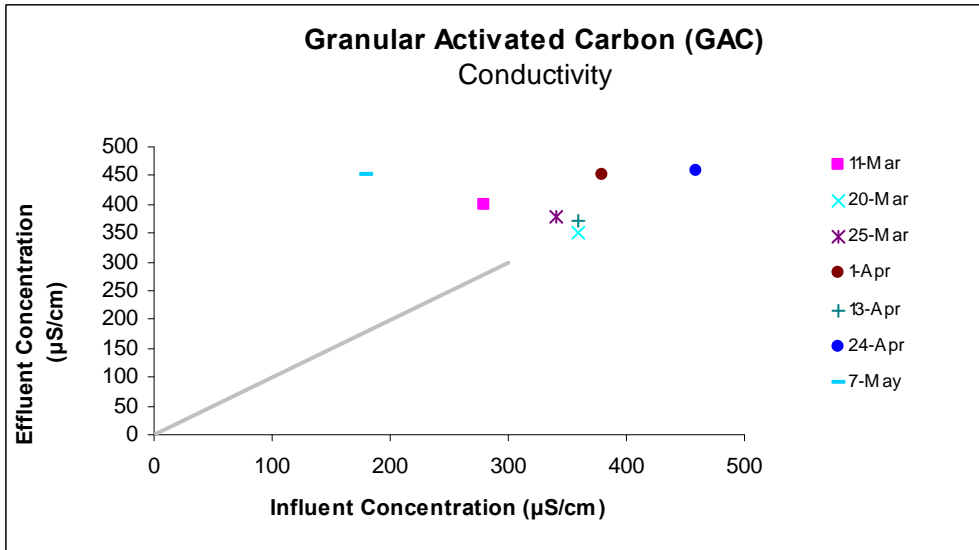
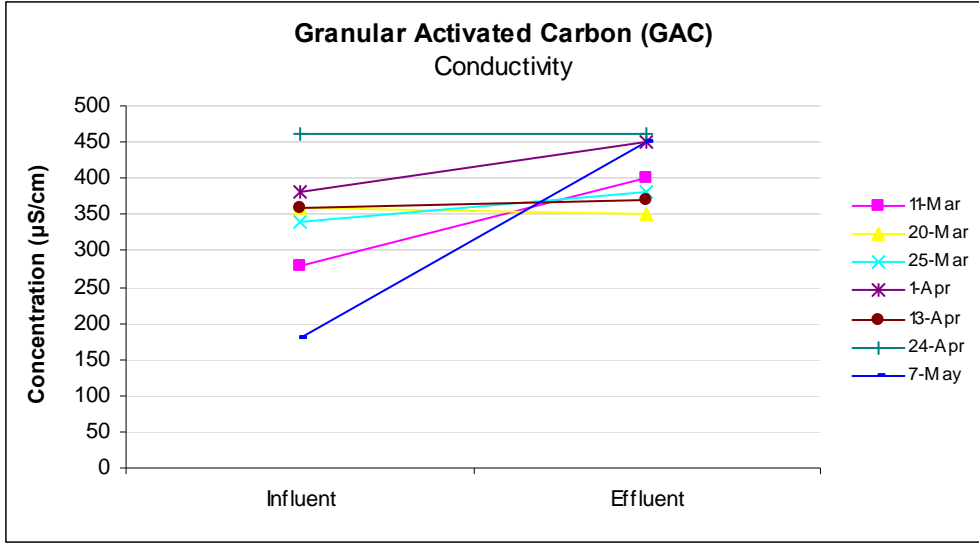
	df	SS	MS	F	Significance F
Regression	1.000	1.576	1.576	0.001	0.980
Residual	5.000	11884.138	2376.828		
Total	6.000	11885.714			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	410.538	78.581	5.224	0.003	208.540	612.537	208.540	612.537
X Variable 1	-0.006	0.227	-0.026	0.980	-0.589	0.577	-0.589	0.577

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	408.904	-8.904
2	408.437	-58.437
3	408.554	-28.554
4	408.320	41.680
5	408.437	-38.437
6	407.853	52.147
7	409.494	40.506







# ORP

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.440
R Square	0.194
Adjusted R Square	0.032
Standard Error	15.939
Observations	7.000

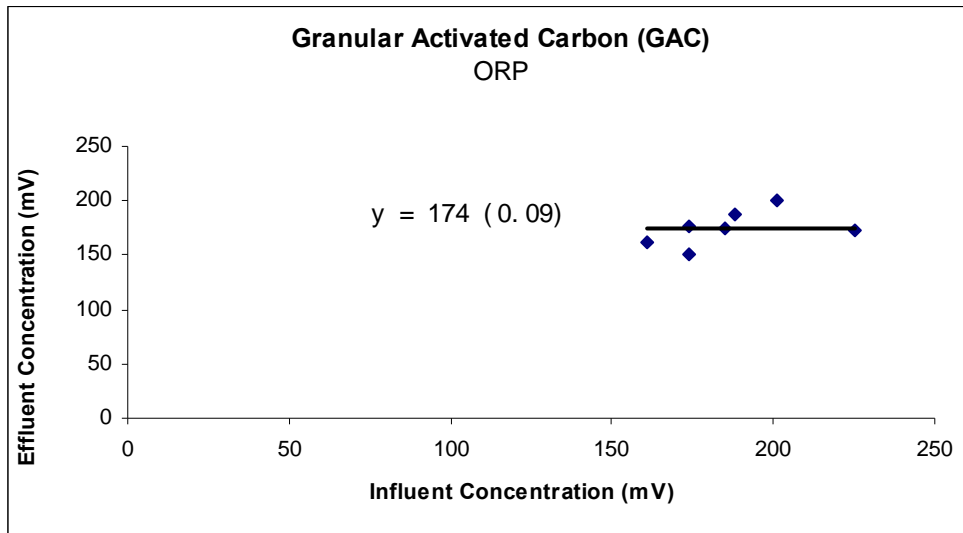
## ANOVA

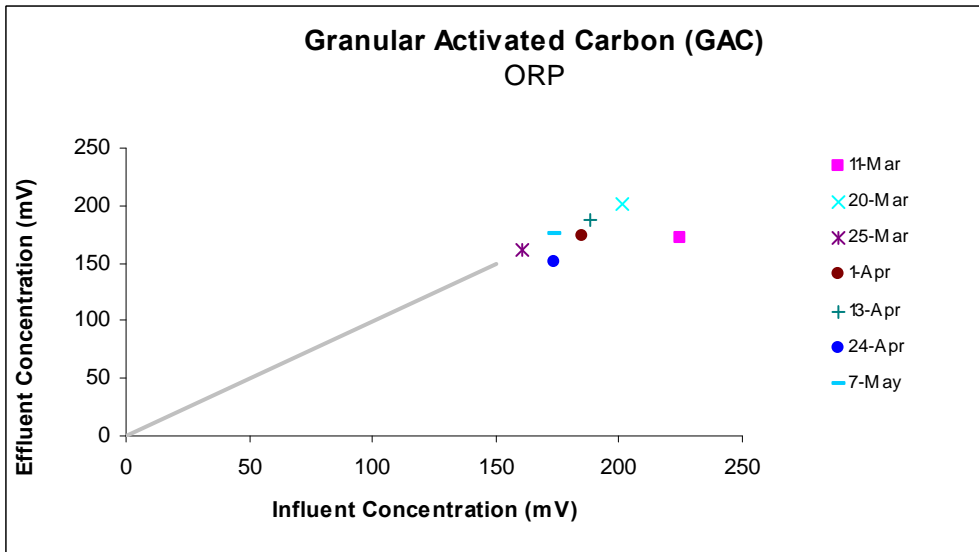
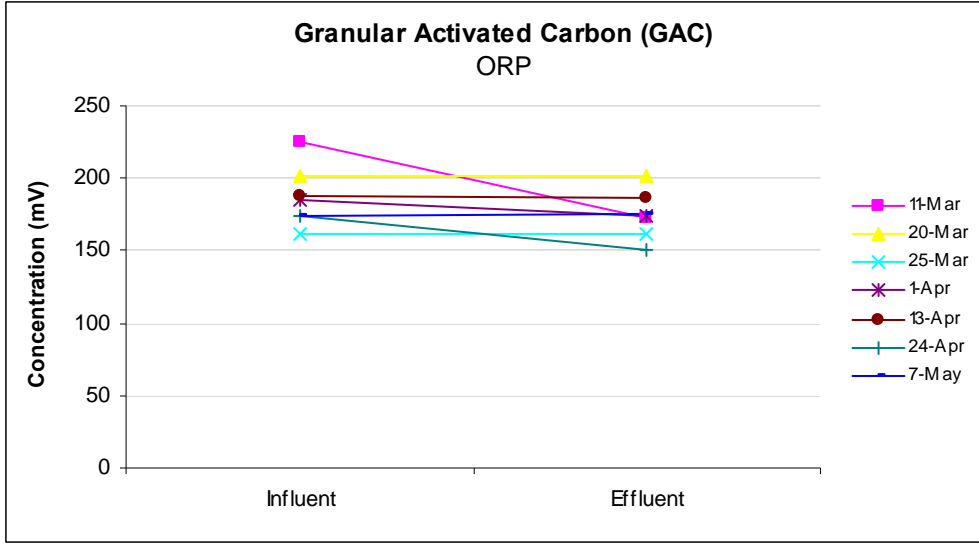
	df	SS	MS	F	Significance F
Regression	1.000	305.126	305.126	1.201	0.323
Residual	5.000	1270.303	254.061		
Total	6.000	1575.429			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	111.415	58.074	1.918	0.113	-37.869	260.698	-37.869	260.698
X Variable 1	0.339	0.309	1.096	0.323	-0.456	1.133	-0.456	1.133

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	187.636	-15.636
2	179.505	21.495
3	165.955	-3.955
4	174.085	-0.085
5	175.101	11.899
6	170.359	-19.359
7	170.359	5.641





# Color

## SUMMARY OUTPUT

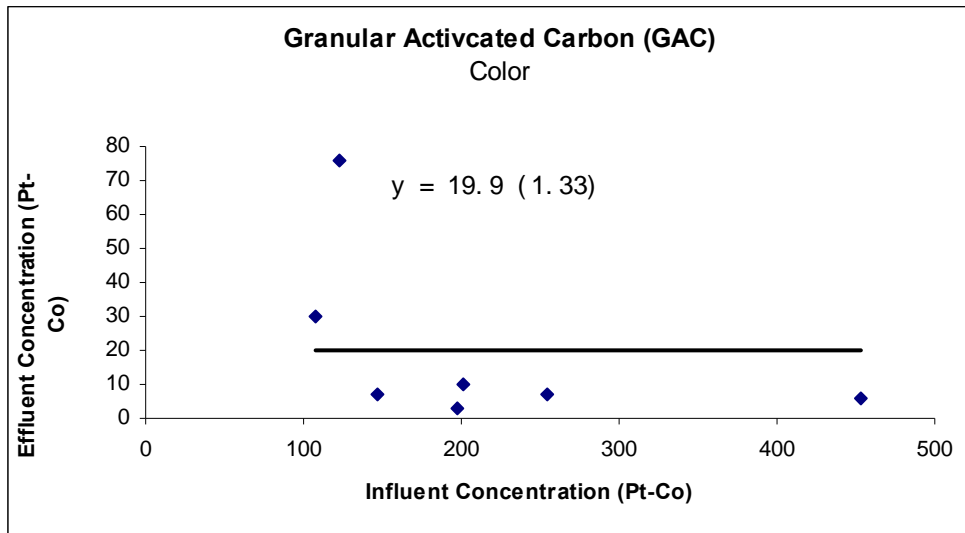
Regression Statistics	
Multiple R	0.470
R Square	0.221
Adjusted R Square	0.065
Standard Error	25.455
Observations	7.000

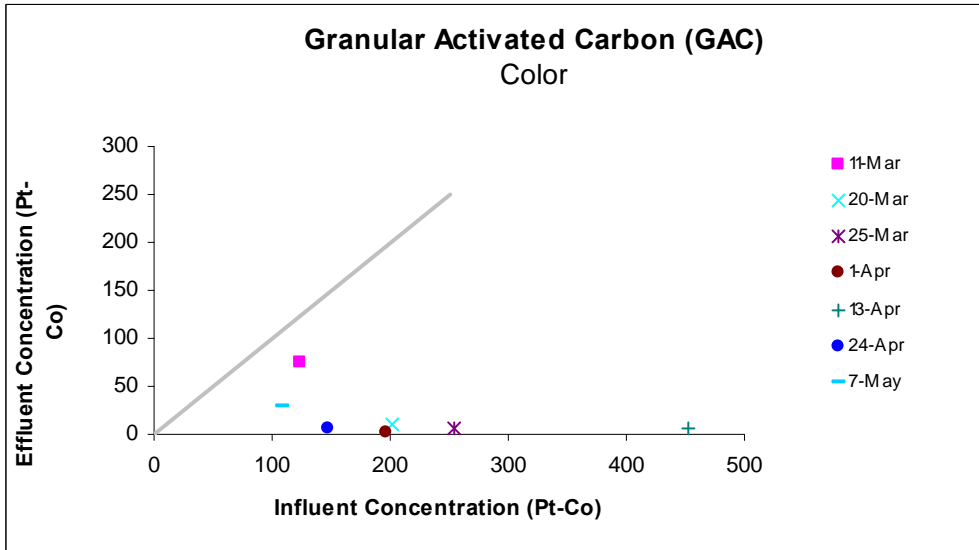
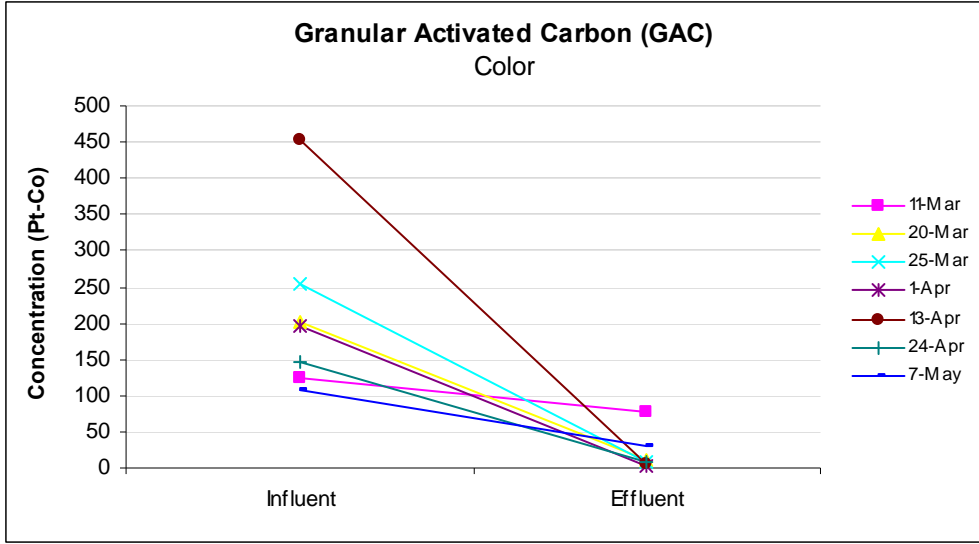
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	919.172	919.172	1.419	0.287
Residual	5.000	3239.886	647.937		
Total	6.000	4159.057			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	42.135	21.034	2.003	0.102	-11.934	96.204	-11.934	96.204
X Variable 1	-0.105	0.088	-1.191	0.287	-0.332	0.122	-0.332	0.122

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	29.210	46.790
2	21.013	-11.013
3	15.339	-8.339
4	21.433	-10.433
5	-5.468	11.468
6	26.688	-19.688
7	30.786	-0.786





# Fluoride

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.629
R Square	0.396
Adjusted R Square	0.275
Standard Error	0.493
Observations	7.000

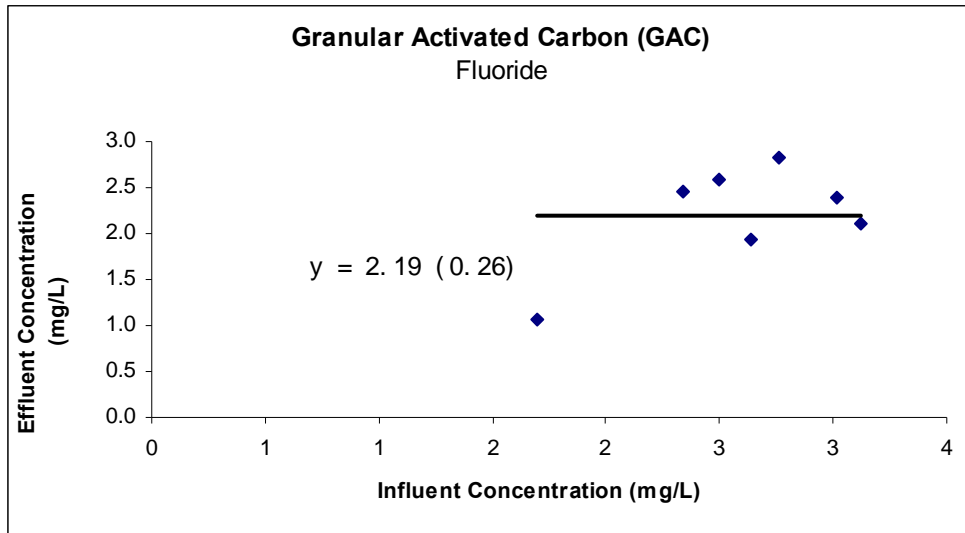
## ANOVA

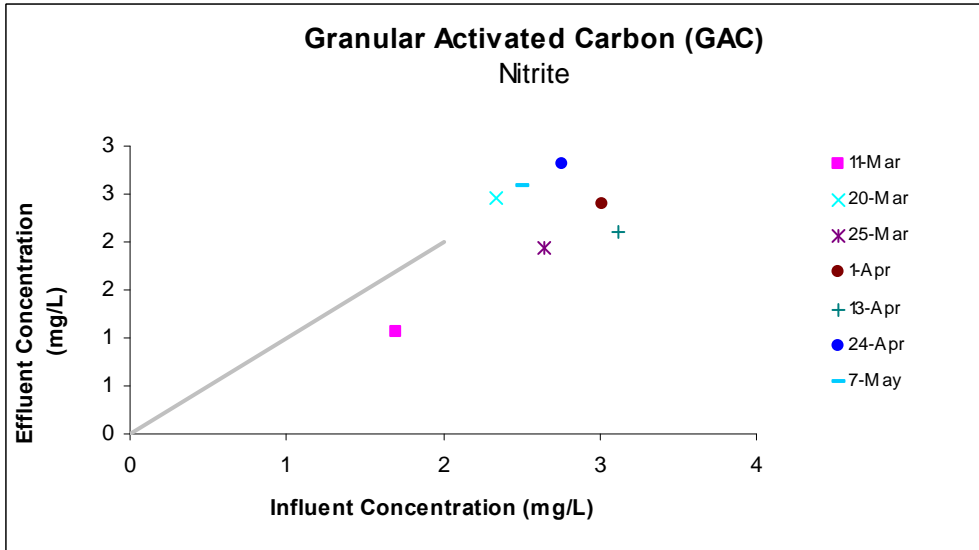
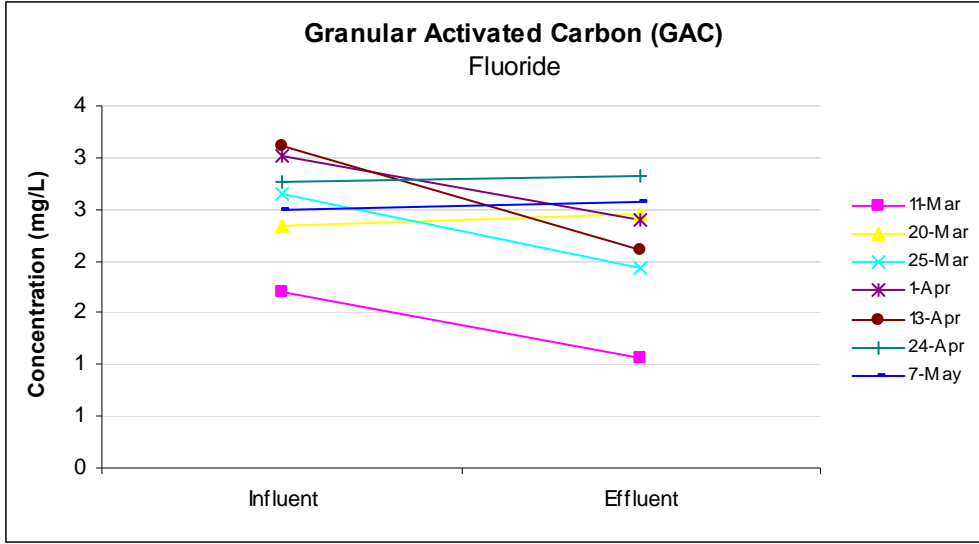
	df	SS	MS	F	Significance F
Regression	1.000	0.796	0.796	3.272	0.130
Residual	5.000	1.217	0.243		
Total	6.000	2.013			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.218	1.109	0.196	0.852	-2.632	3.067	-2.632	3.067
X Variable 1	0.765	0.423	1.809	0.130	-0.322	1.853	-0.322	1.853

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.519	-0.459
2	2.008	0.452
3	2.238	-0.298
4	2.529	-0.129
5	2.605	-0.505
6	2.330	0.490
7	2.131	0.449





# Sulfate

## SUMMARY OUTPUT

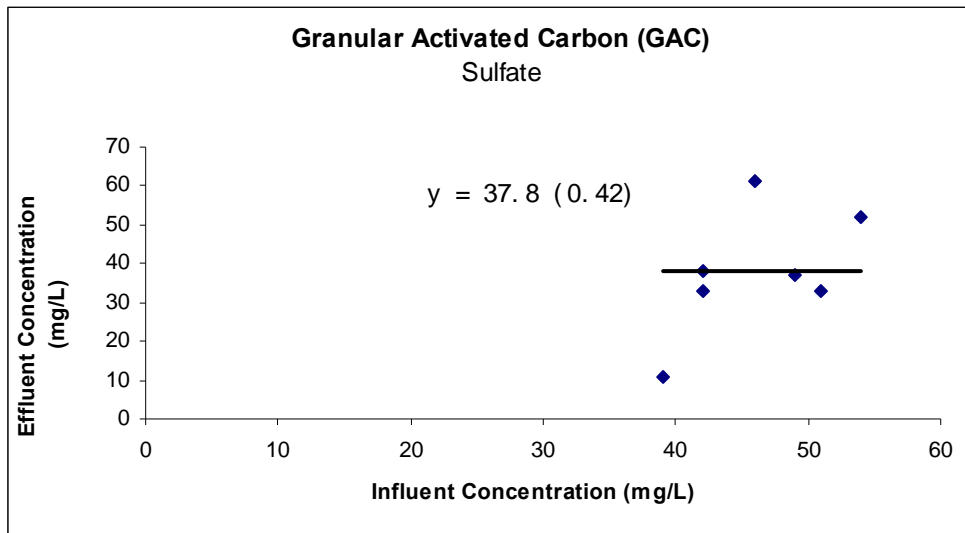
Regression Statistics	
Multiple R	0.565
R Square	0.319
Adjusted R Square	0.183
Standard Error	14.314
Observations	7.000

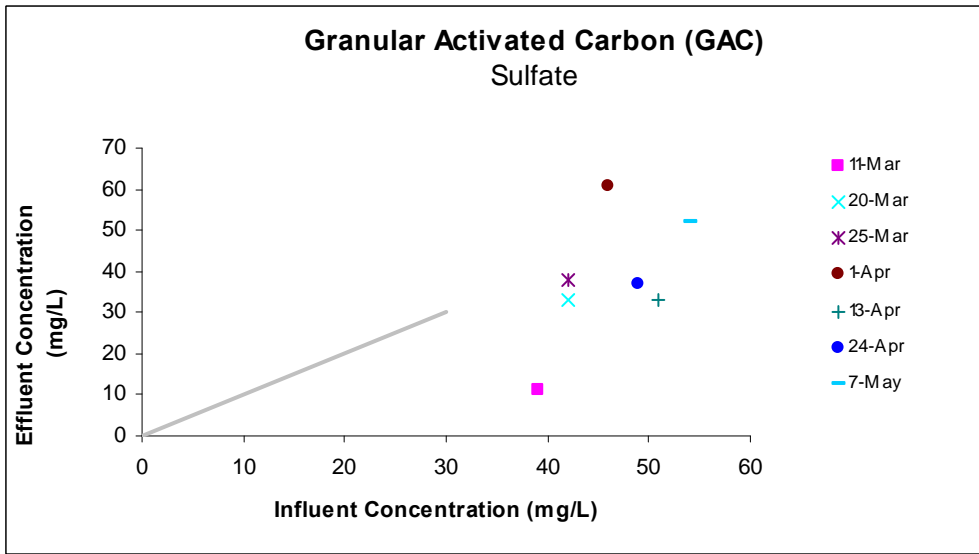
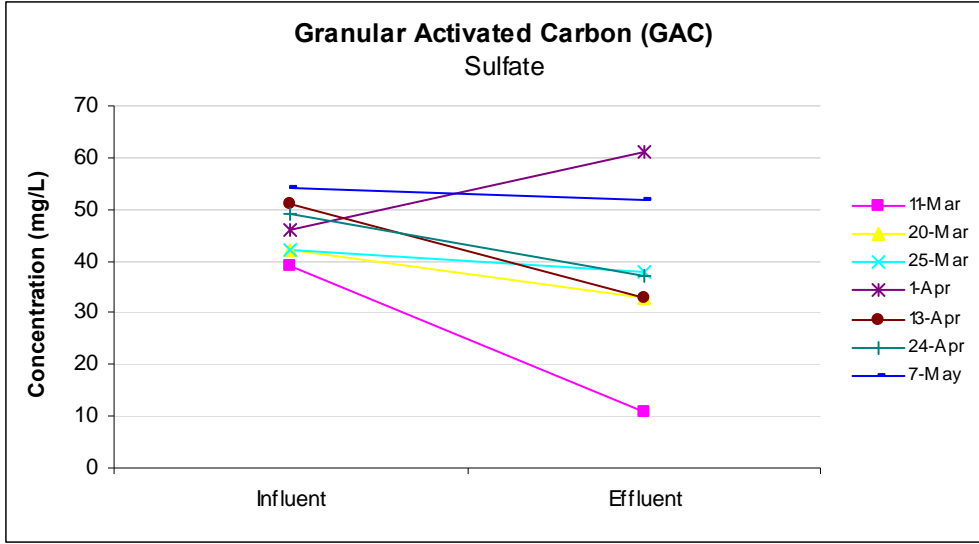
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	480.455	480.455	2.345	0.186
Residual	5.000	1024.403	204.881		
Total	6.000	1504.857			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-37.770	49.681	-0.760	0.481	-165.480	89.940	-165.480	89.940
X Variable 1	1.639	1.070	1.531	0.186	-1.112	4.390	-1.112	4.390

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	26.150	-15.150
2	31.067	1.933
3	31.067	6.933
4	37.623	23.377
5	45.818	-12.818
6	42.540	-5.540
7	50.735	1.265







# Phosphate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.032
R Square	0.001
Adjusted R Square	-0.199
Standard Error	2.491
Observations	7.000

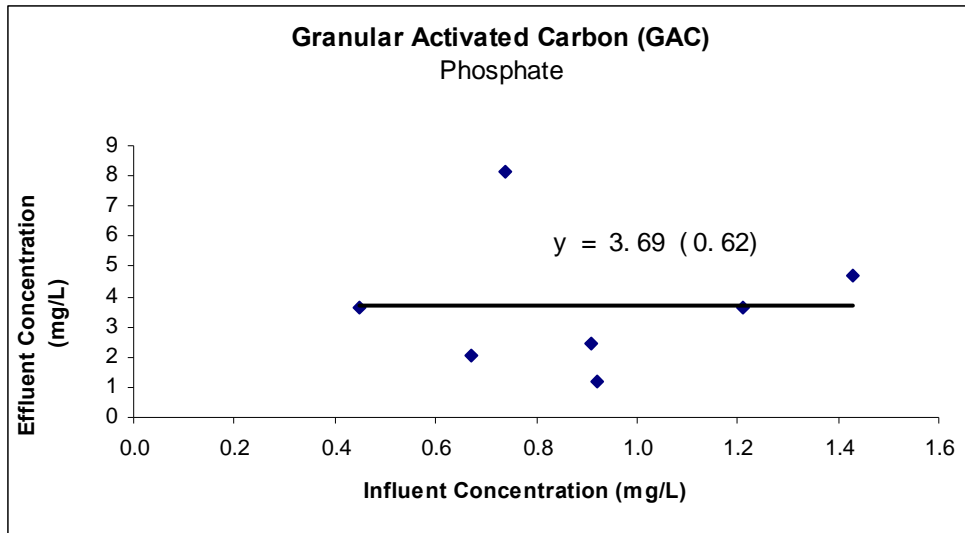
## ANOVA

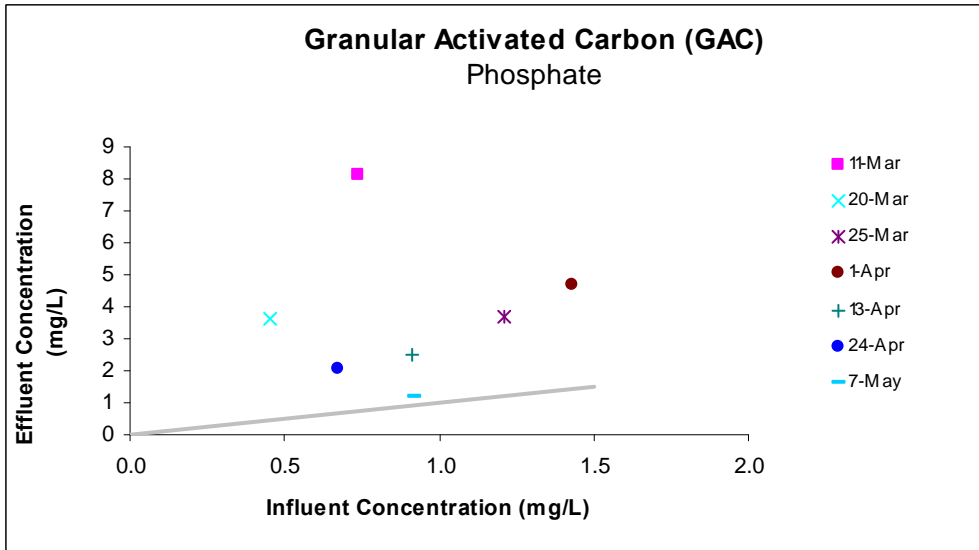
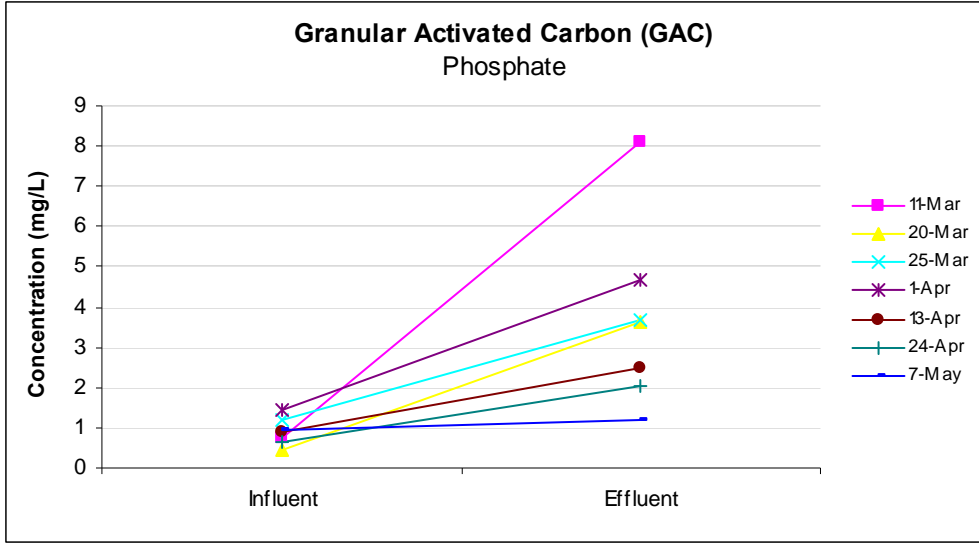
	df	SS	MS	F	Significance F
Regression	1.000	0.032	0.032	0.005	0.946
Residual	5.000	31.031	6.206		
Total	6.000	31.062			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	3.489	2.932	1.190	0.287	-4.047	11.025	-4.047	11.025
X Variable 1	0.219	3.070	0.071	0.946	-7.673	8.111	-7.673	8.111

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	3.651	4.489
2	3.588	0.052
3	3.754	-0.094
4	3.802	0.878
5	3.688	-1.208
6	3.636	-1.586
7	3.691	-2.511





# TN

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.802
R Square	0.643
Adjusted R Square	0.476
Standard Error	1.778
Observations	7.000

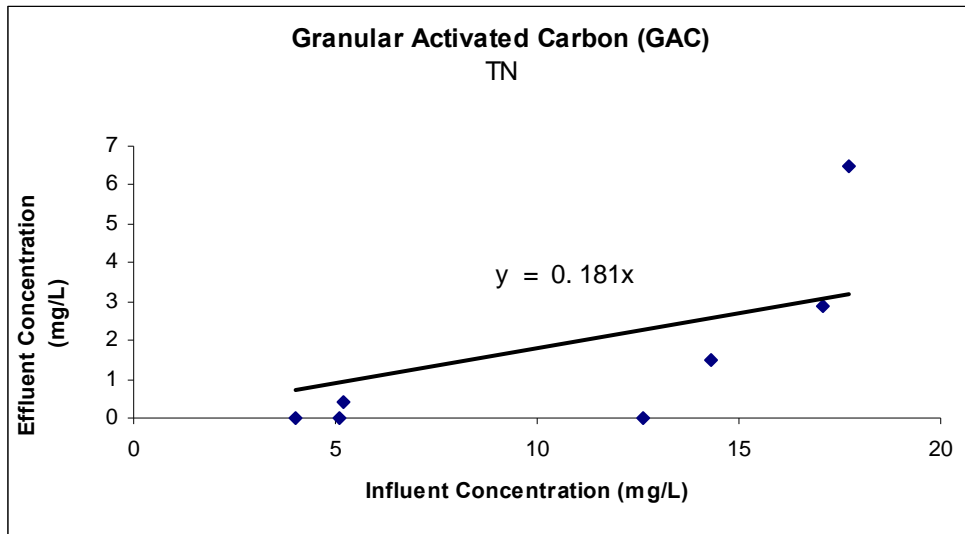
## ANOVA

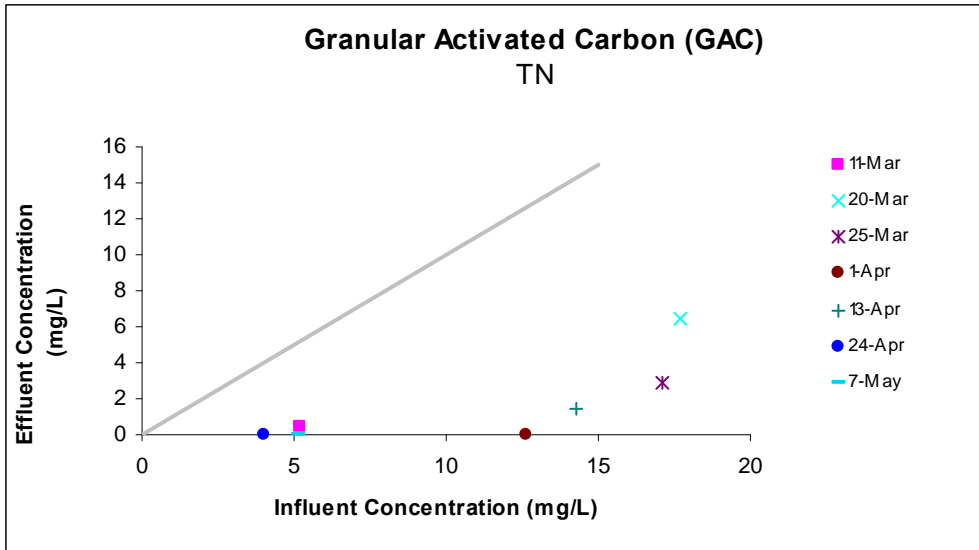
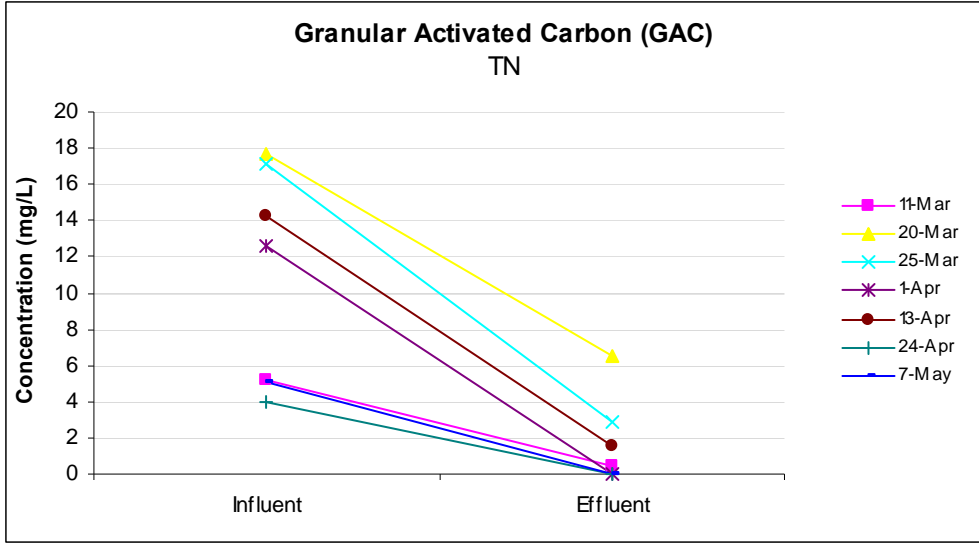
	df	SS	MS	F	Significance F
Regression	1.000	34.112	34.112	10.798	0.022
Residual	6.000	18.958	3.160		
Total	7.000	53.070			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.181	0.055	3.286	0.017	0.046	0.316	0.046	0.316

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.943	-0.543
2	3.209	3.291
3	3.100	-0.200
4	2.284	-2.284
5	2.592	-1.092
6	0.725	-0.725
7	0.925	-0.925





# UV 254

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.478
R Square	0.228
Adjusted R Square	0.074
Standard Error	0.037
Observations	7.000

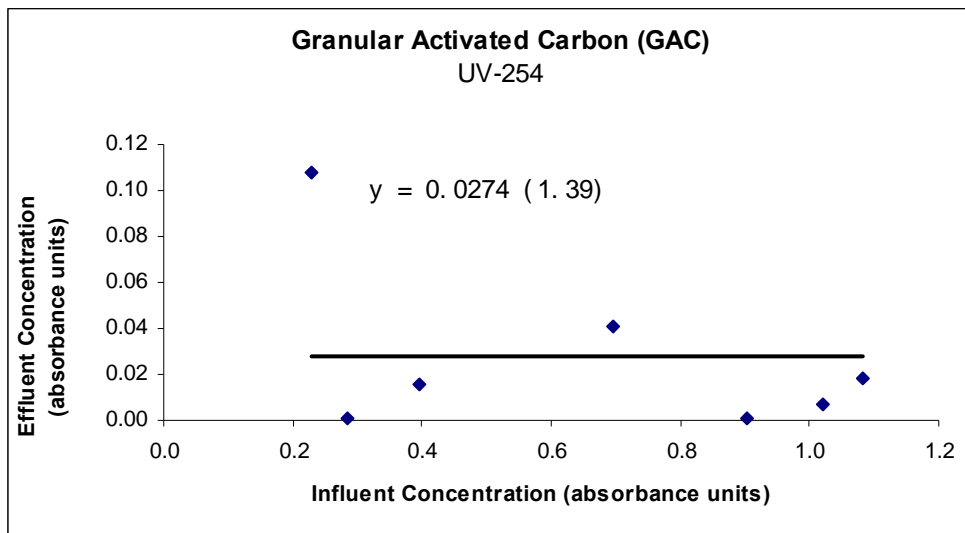
## ANOVA

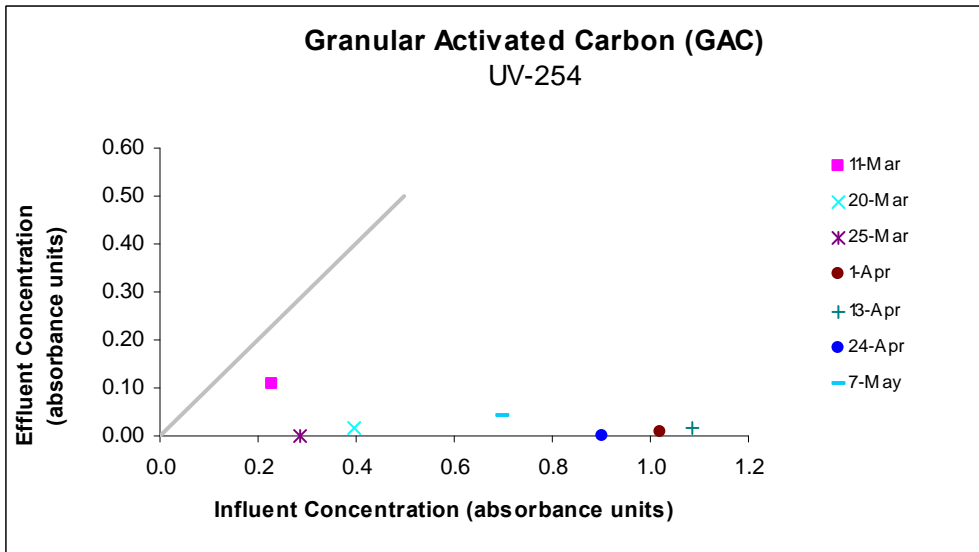
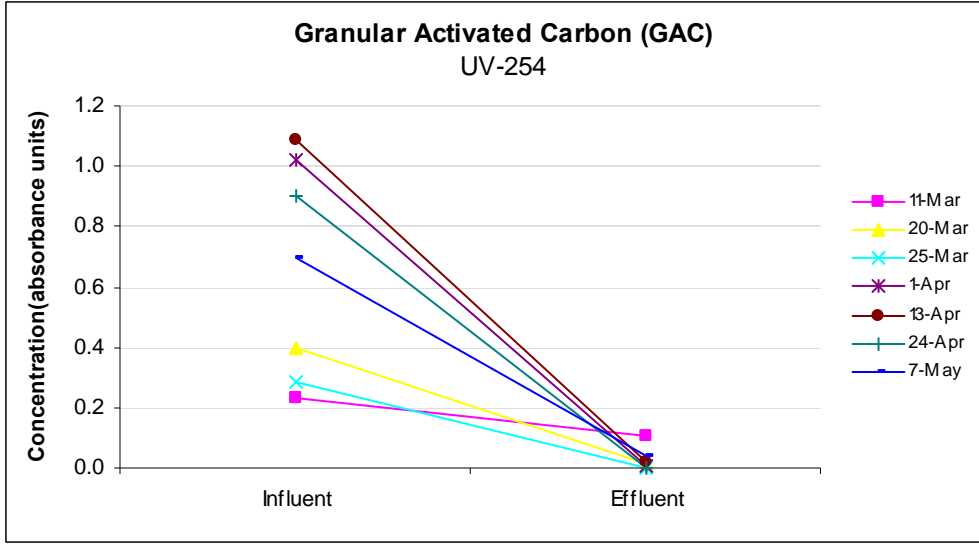
	df	SS	MS	F	Significance F
Regression	1.000	0.002	0.002	1.478	0.278
Residual	5.000	0.007	0.001		
Total	6.000	0.009			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.061	0.031	1.974	0.105	-0.018	0.140	-0.018	0.140
X Variable 1	-0.051	0.042	-1.216	0.278	-0.159	0.057	-0.159	0.057

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.049	0.059
2	0.041	-0.025
3	0.046	-0.045
4	0.009	-0.002
5	0.006	0.012
6	0.015	-0.014
7	0.026	0.015





# Chloride

## SUMMARY OUTPUT

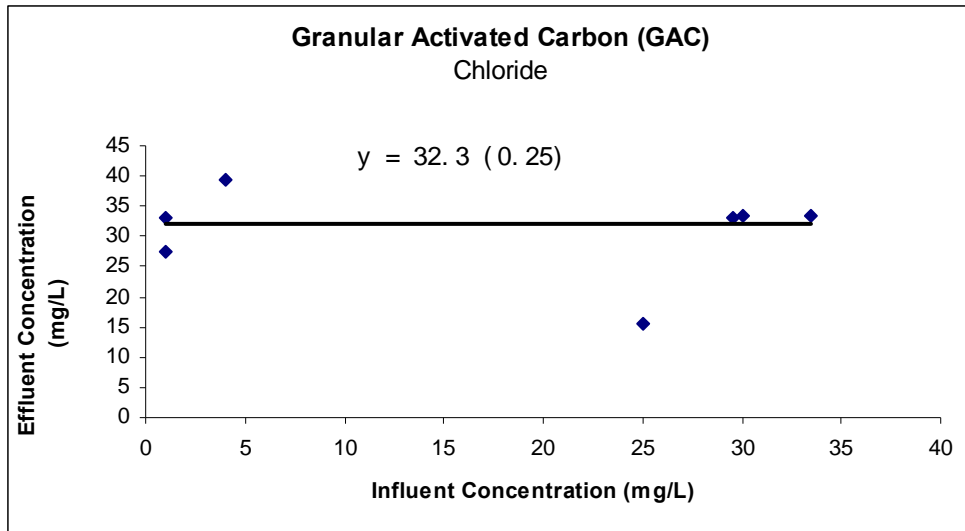
Regression Statistics	
Multiple R	0.163
R Square	0.027
Adjusted R Square	-0.168
Standard Error	8.195
Observations	7.000

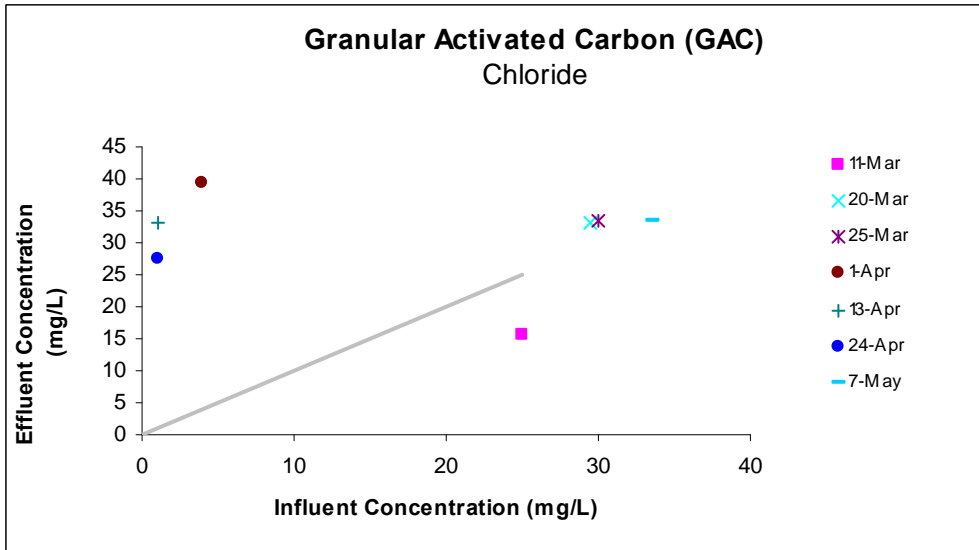
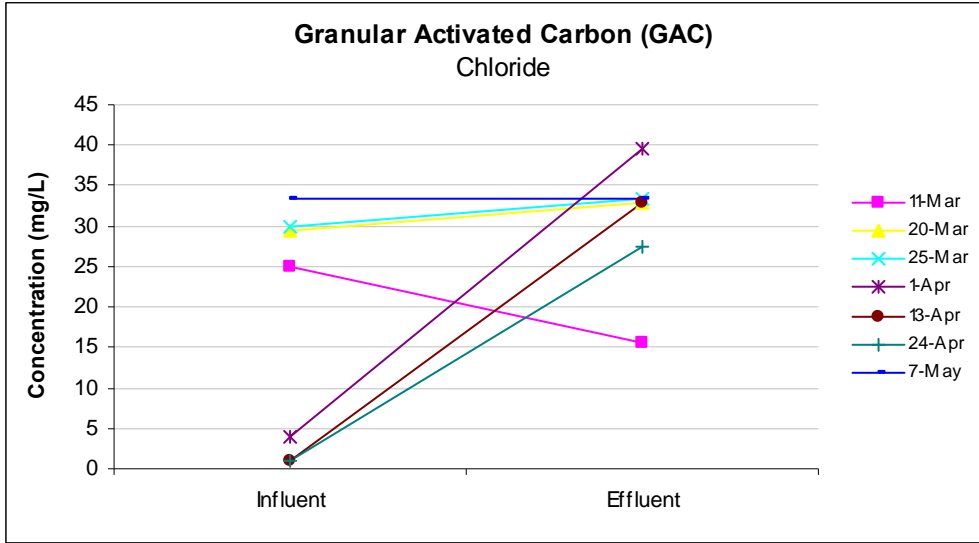
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	9.149	9.149	0.136	0.727
Residual	5.000	335.780	67.156		
Total	6.000	344.929			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	32.250	5.033	6.408	0.001	19.312	45.188	19.312	45.188
X Variable 1	-0.083	0.224	-0.369	0.727	-0.658	0.493	-0.658	0.493

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	30.183	-14.683
2	29.811	3.189
3	29.770	3.730
4	31.919	7.581
5	32.167	0.833
6	32.167	-4.667
7	29.481	4.019







# Hardness

## SUMMARY OUTPUT

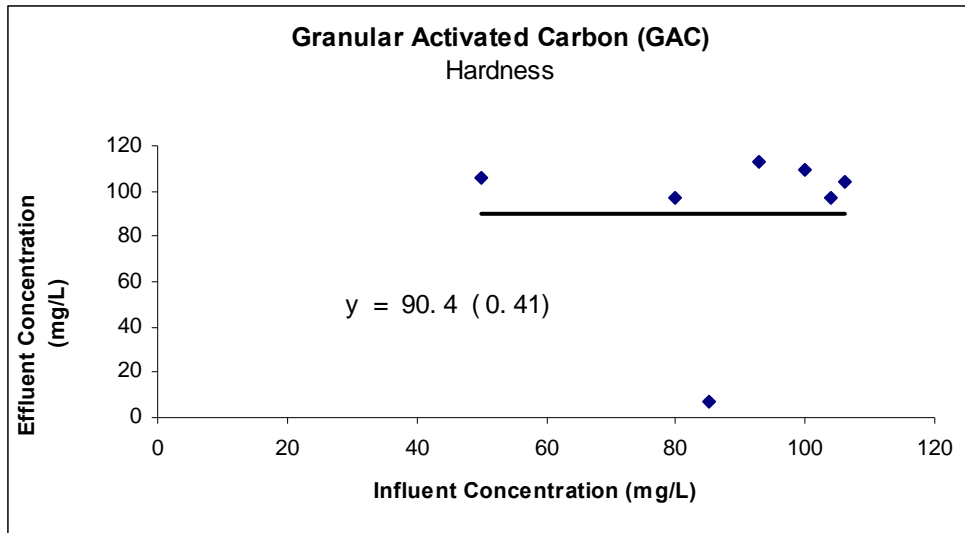
Regression Statistics	
Multiple R	0.067
R Square	0.004
Adjusted R Square	-0.195
Standard Error	40.719
Observations	7.000

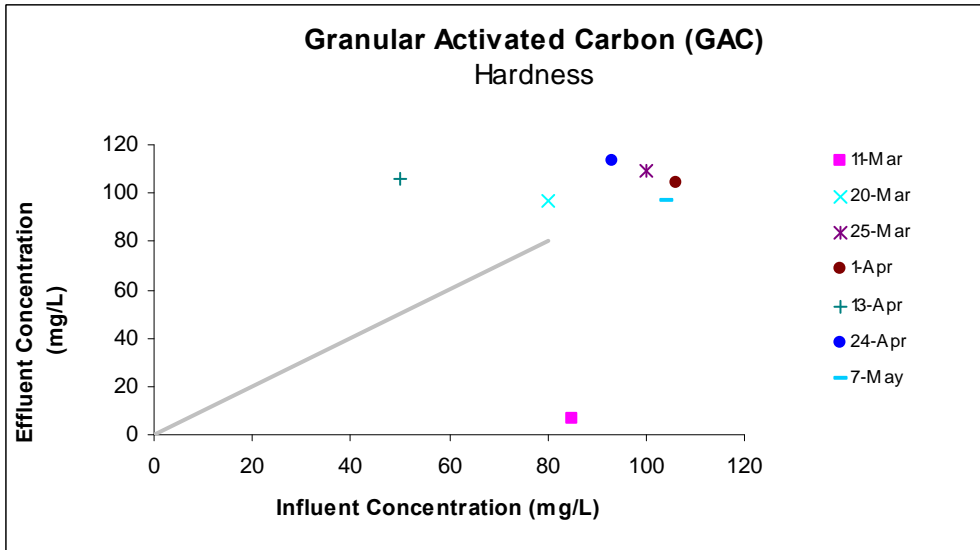
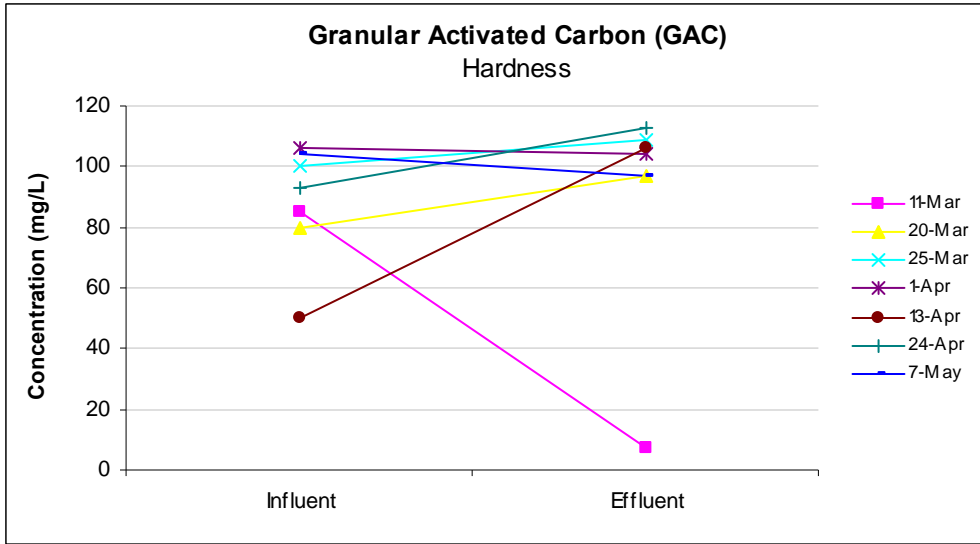
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	37.416	37.416	0.023	0.886
Residual	5.000	8290.298	1658.060		
Total	6.000	8327.714			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	79.082	77.081	1.026	0.352	-119.061	277.226	-119.061	277.226
X Variable 1	0.129	0.856	0.150	0.886	-2.071	2.328	-2.071	2.328

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	90.006	-83.006
2	89.364	7.636
3	91.934	17.066
4	92.705	11.295
5	85.508	20.492
6	91.034	21.966
7	92.448	4.552





# NO2+NO3

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.038
R Square	0.001
Adjusted R Square	-0.198
Standard Error	0.306
Observations	7.000

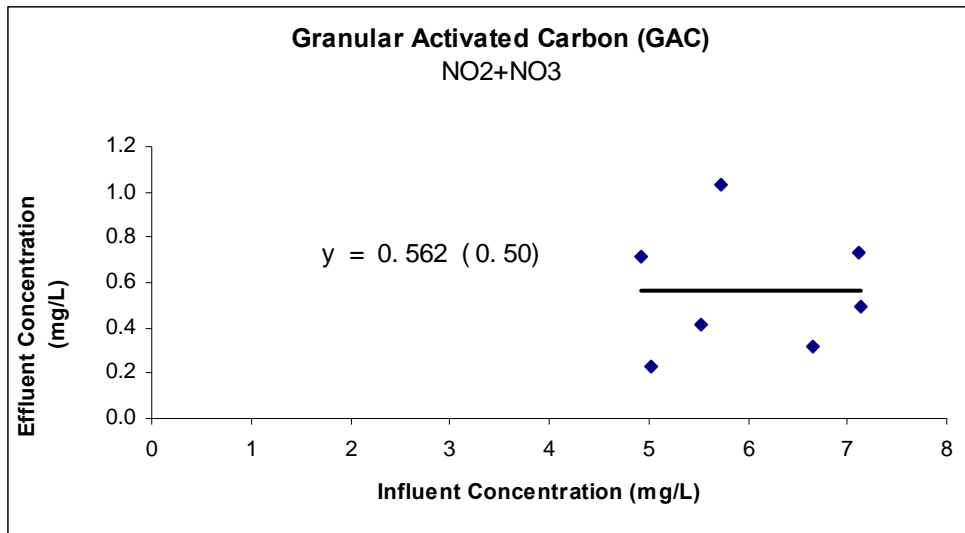
## ANOVA

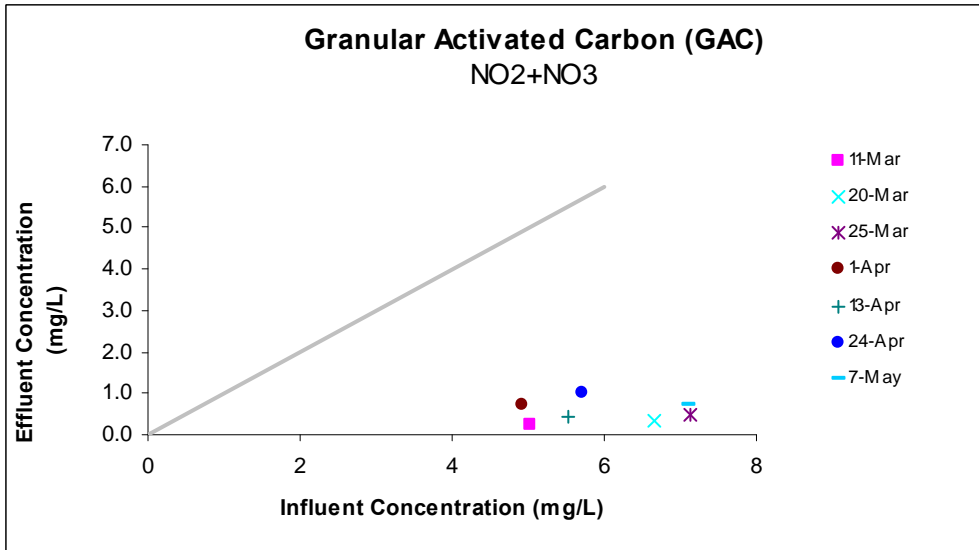
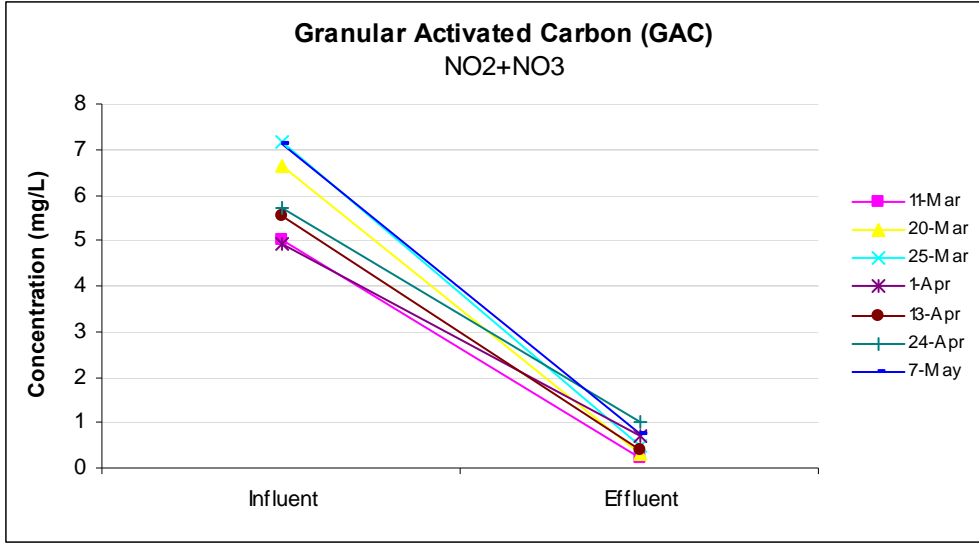
	df	SS	MS	F	Significance F
Regression	1.000	0.001	0.001	0.007	0.935
Residual	5.000	0.469	0.094		
Total	6.000	0.469			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.494	0.803	0.615	0.565	-1.571	2.559	-1.571	2.559
X Variable 1	0.011	0.132	0.086	0.935	-0.328	0.351	-0.328	0.351

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.551	-0.323
2	0.569	-0.250
3	0.575	-0.081
4	0.550	0.168
5	0.557	-0.144
6	0.559	0.469
7	0.575	0.161





# Peat Moss

## Nitrite

### SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.208
R Square	0.043
Adjusted R Square	-0.148
Standard Error	0.034
Observations	7.000

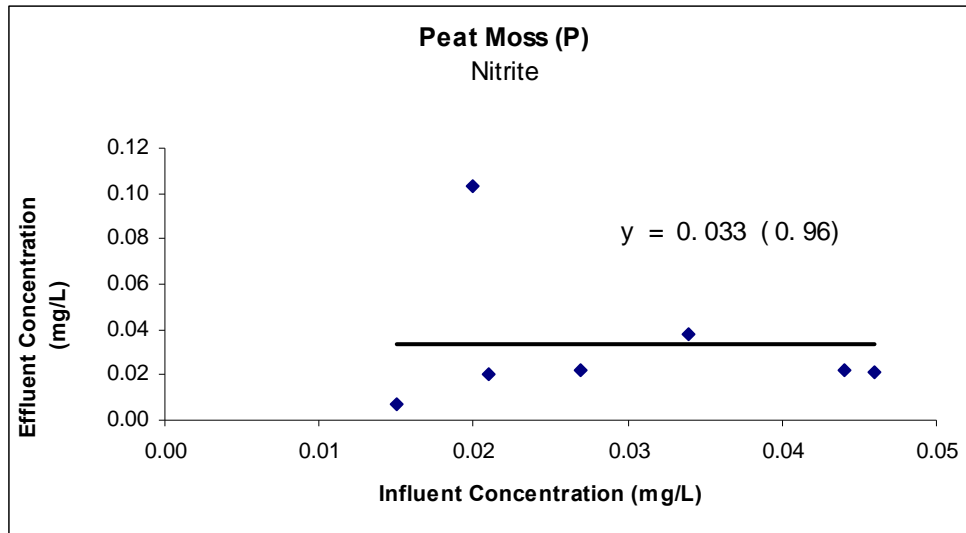
### ANOVA

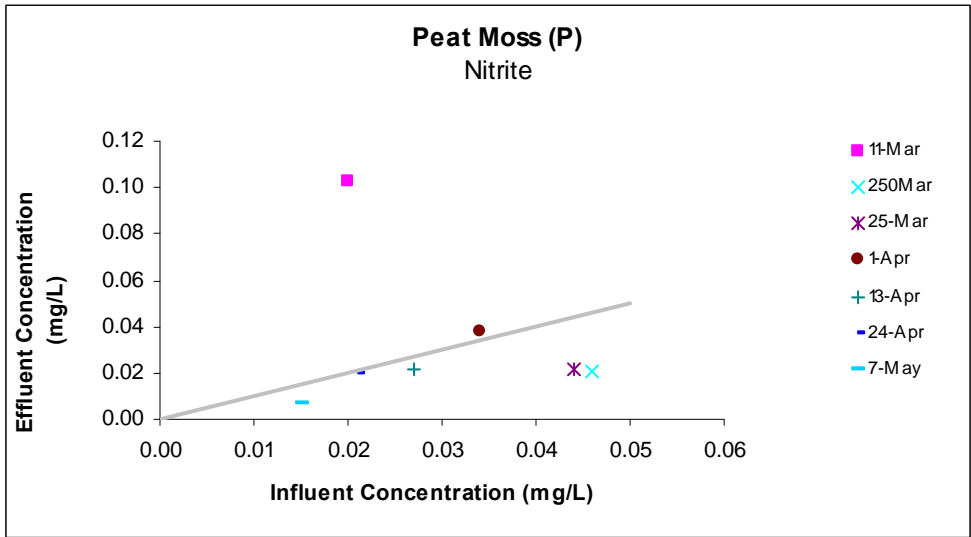
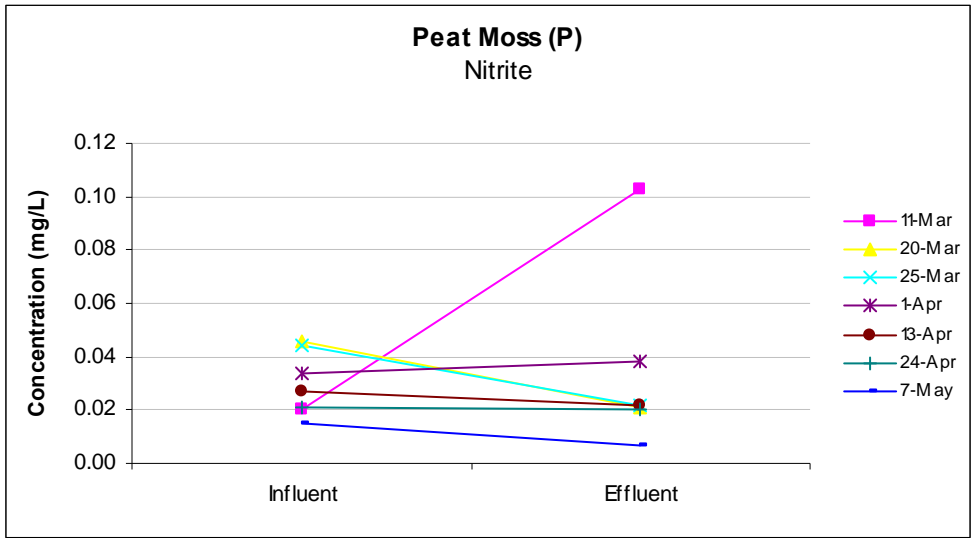
	df	SS	MS	F	Significance F
Regression	1.000	0.000	0.000	0.227	0.654
Residual	5.000	0.006	0.001		
Total	6.000	0.006			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.050	0.037	1.356	0.233	-0.044	0.144	-0.044	0.144
X Variable 1	-0.550	1.156	-0.476	0.654	-3.521	2.421	-3.521	2.421

### RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.039	0.064
2	0.024	-0.003
3	0.025	-0.003
4	0.031	0.007
5	0.035	-0.013
6	0.038	-0.018
7	0.041	-0.034





# Nitrate

## SUMMARY OUTPUT

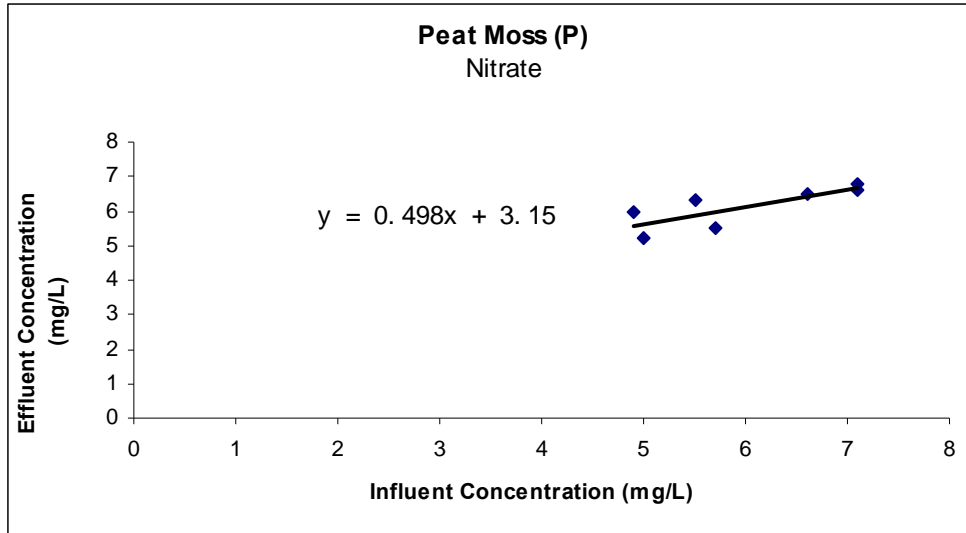
Regression Statistics	
Multiple R	0.790
R Square	0.625
Adjusted R Square	0.550
Standard Error	0.398
Observations	7.000

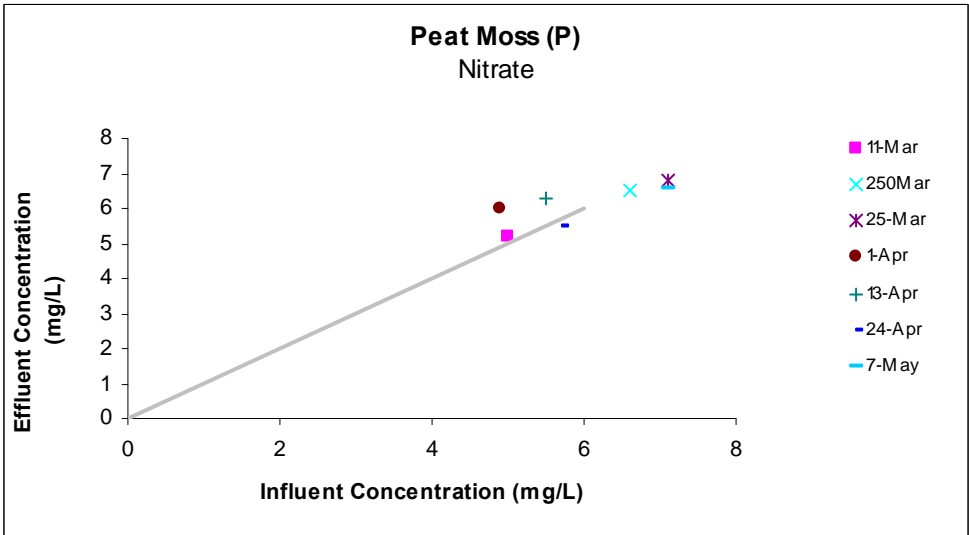
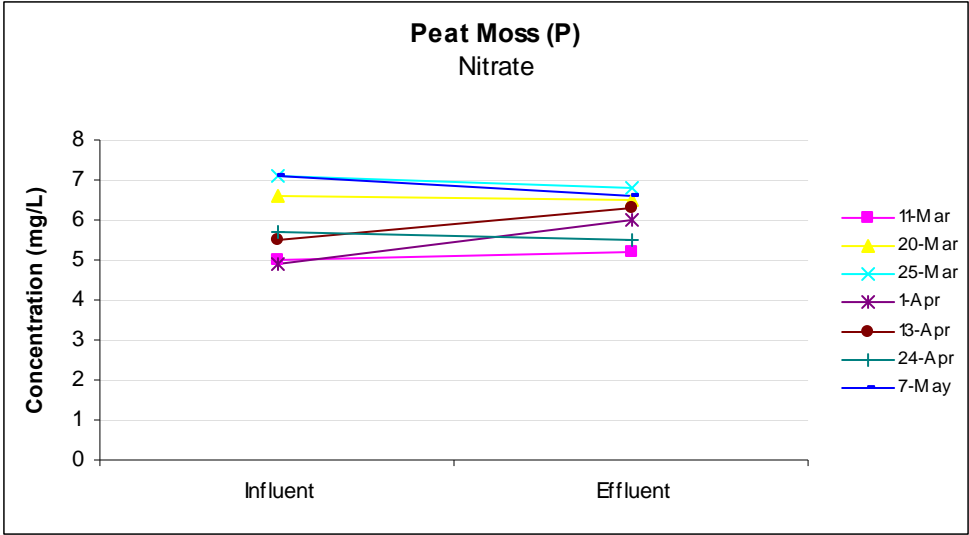
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	1.321	1.321	8.322	0.034
Residual	5.000	0.794	0.159		
Total	6.000	2.114			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	3.149	1.044	3.016	0.030	0.465	5.832	0.465	5.832
X Variable 1	0.498	0.173	2.885	0.034	0.054	0.941	0.054	0.941

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	5.638	-0.438
2	6.434	0.066
3	6.683	0.117
4	5.588	0.412
5	5.887	0.413
6	5.986	-0.486
7	6.683	-0.083







# Ammonia

## SUMMARY OUTPUT

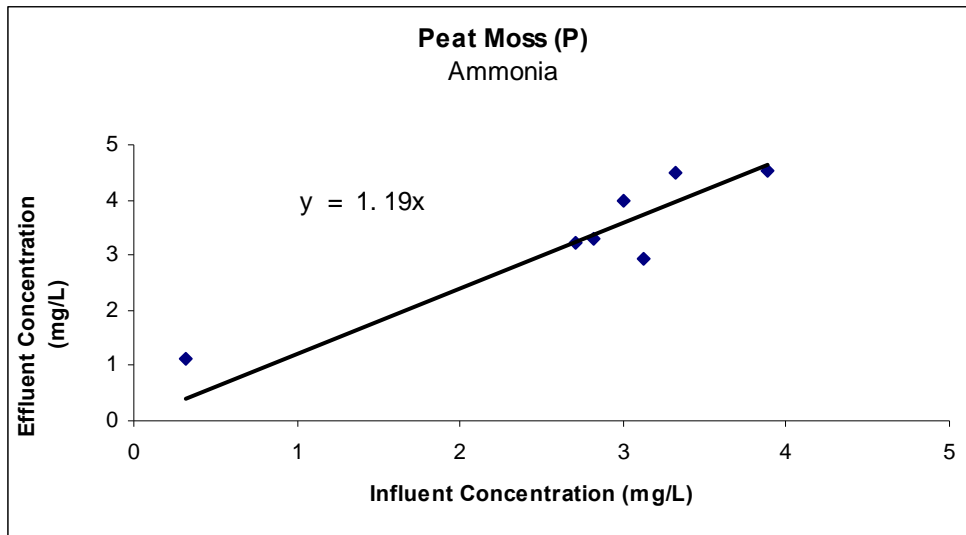
Regression Statistics	
Multiple R	0.990
R Square	0.981
Adjusted R Square	0.814
Standard Error	0.527
Observations	7.000

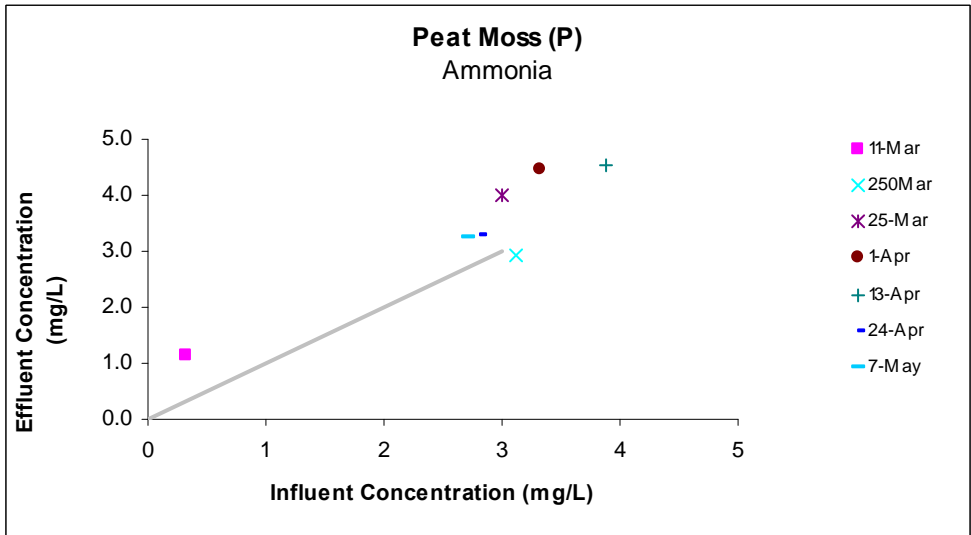
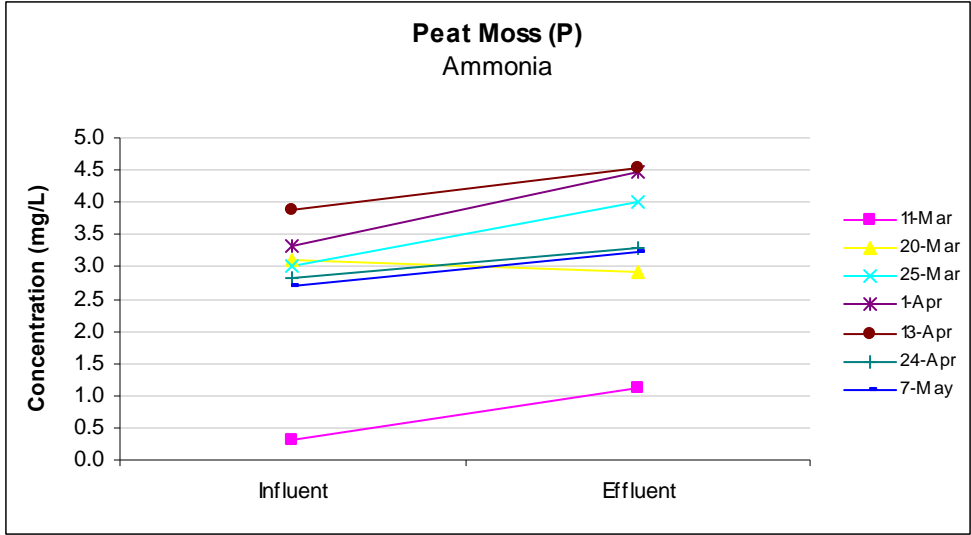
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	85.891	85.891	308.765	0.000
Residual	6.000	1.669	0.278		
Total	7.000	87.560			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	1.194	0.068	17.572	0.000	1.028	1.361	1.028	1.361

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.982	0.748
2	3.726	-0.806
3	3.583	0.417
4	3.965	0.515
5	4.634	-0.114
6	3.368	-0.088
7	3.237	0.003





# TP

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.314
R Square	0.099
Adjusted R Square	-0.081
Standard Error	3.405
Observations	7.000

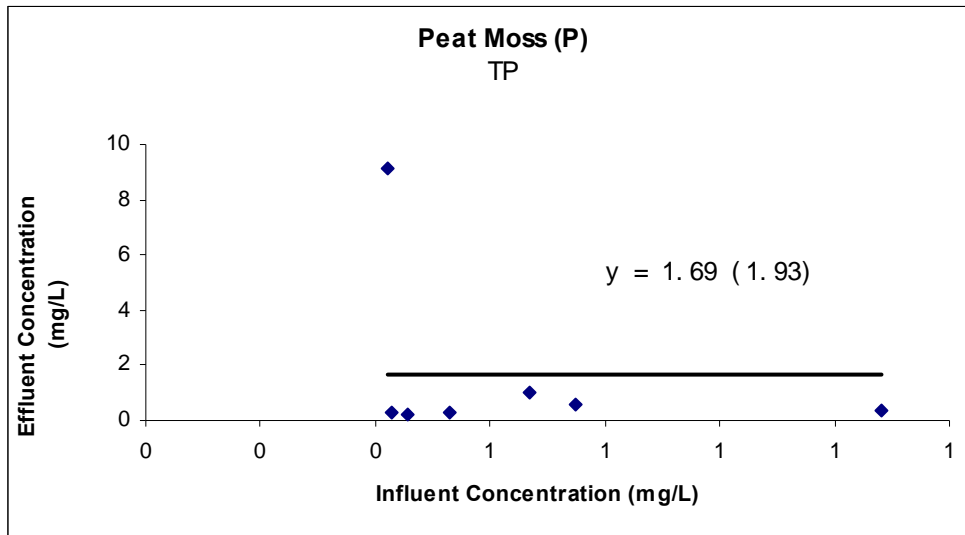
## ANOVA

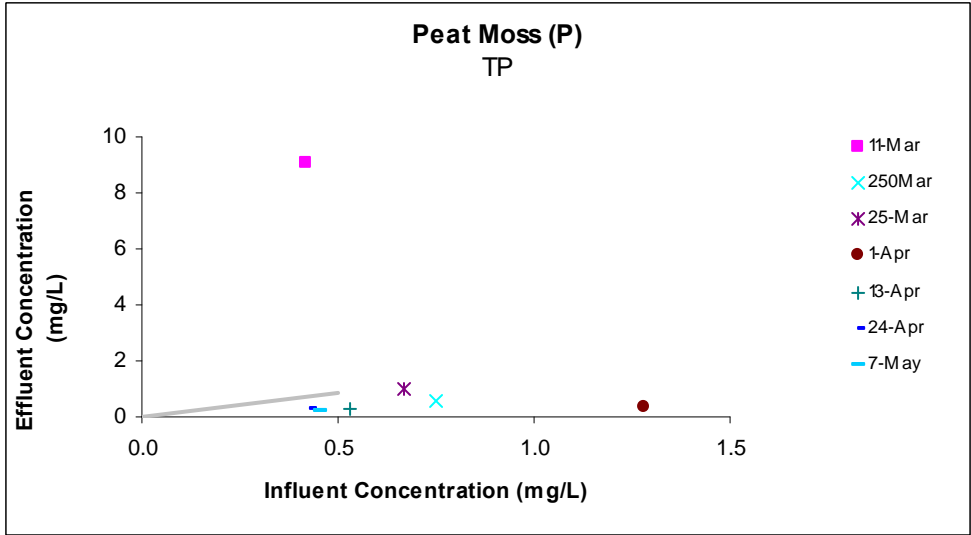
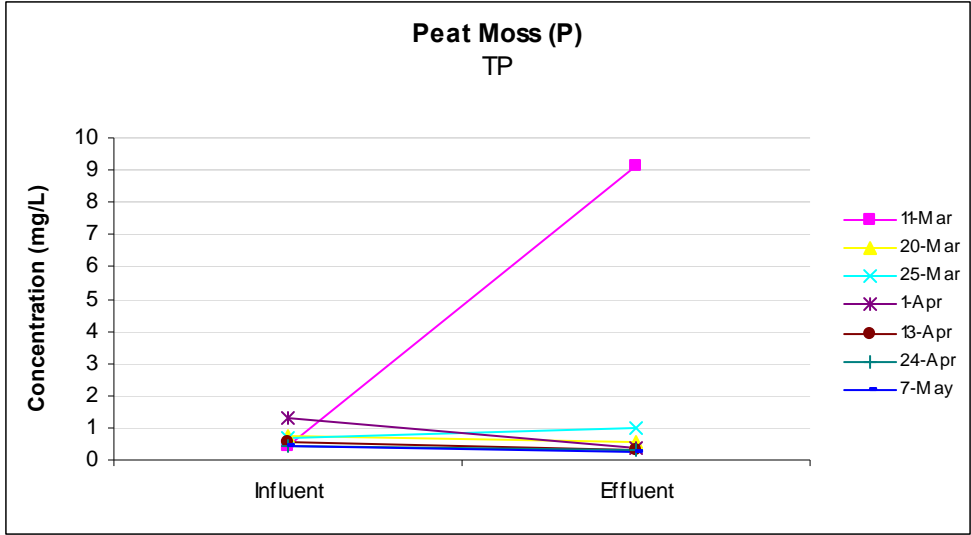
	df	SS	MS	F	Significance F
Regression	1.000	6.357	6.357	0.548	0.492
Residual	5.000	57.975	11.595		
Total	6.000	64.332			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	3.876	3.212	1.207	0.281	-4.379	12.132	-4.379	12.132
X Variable 1	-3.364	4.543	-0.740	0.492	-15.043	8.315	-15.043	8.315

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	2.464	6.636
2	1.353	-0.773
3	1.623	-0.633
4	-0.429	0.819
5	2.094	-1.814
6	2.440	-2.124
7	2.341	-2.113





# COD

## SUMMARY OUTPUT

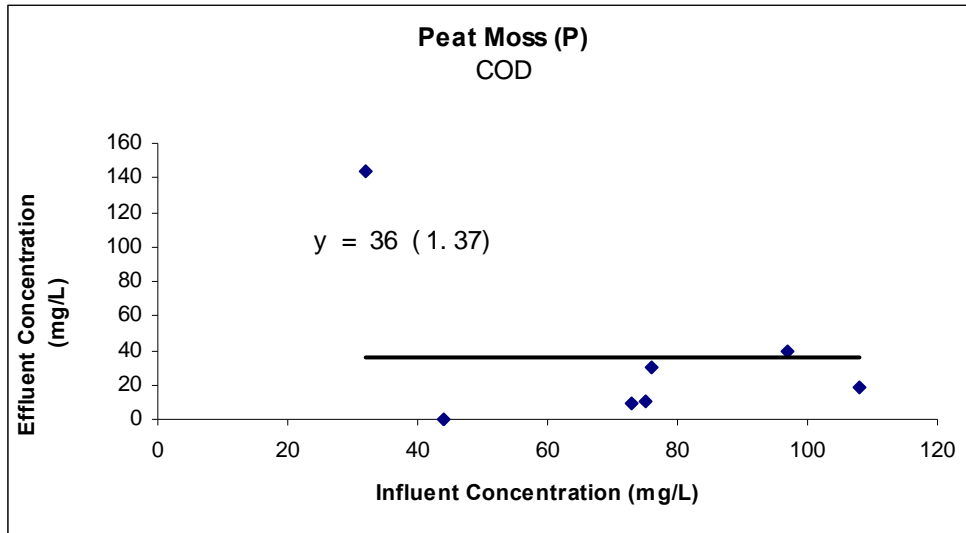
Regression Statistics	
Multiple R	0.500
R Square	0.250
Adjusted R Square	0.100
Standard Error	46.950
Observations	7.000

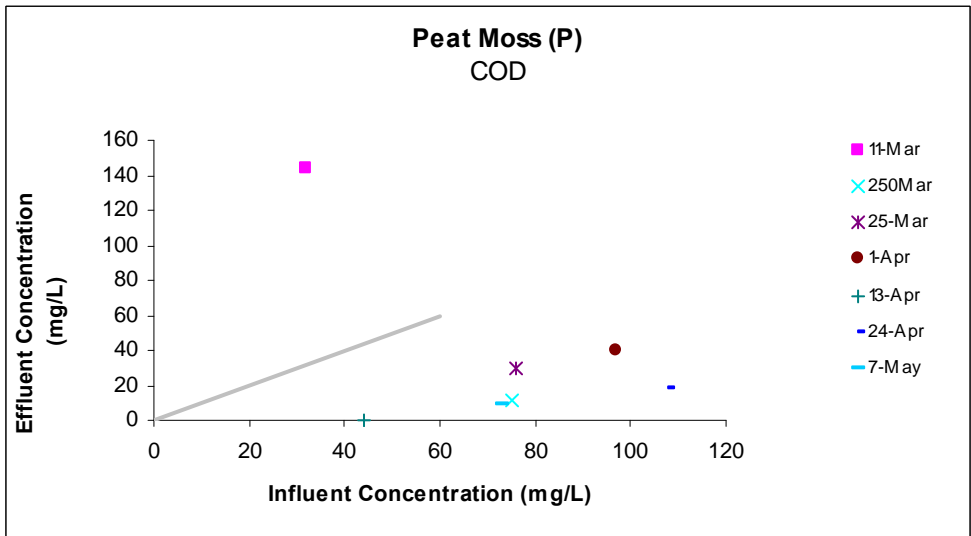
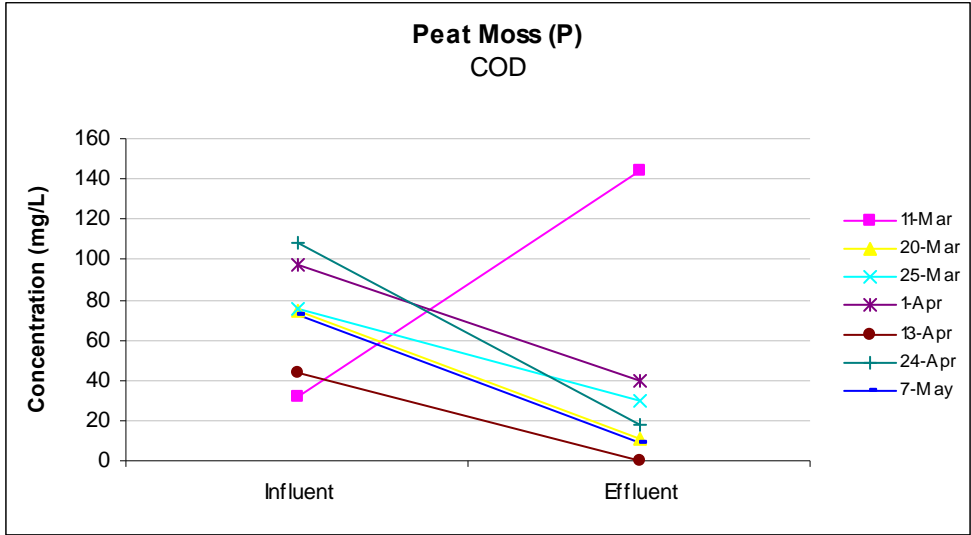
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	3668.603	3668.603	1.664	0.253
Residual	5.000	11021.397	2204.279		
Total	6.000	14690.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	102.398	54.442	1.881	0.119	-37.548	242.345	-37.548	242.345
X Variable 1	-0.920	0.713	-1.290	0.253	-2.754	0.914	-2.754	0.914

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	72.946	71.054
2	33.370	-22.370
3	32.450	-2.450
4	13.122	26.878
5	61.902	-61.902
6	2.998	15.002
7	35.211	-26.211





# pH

## SUMMARY OUTPUT

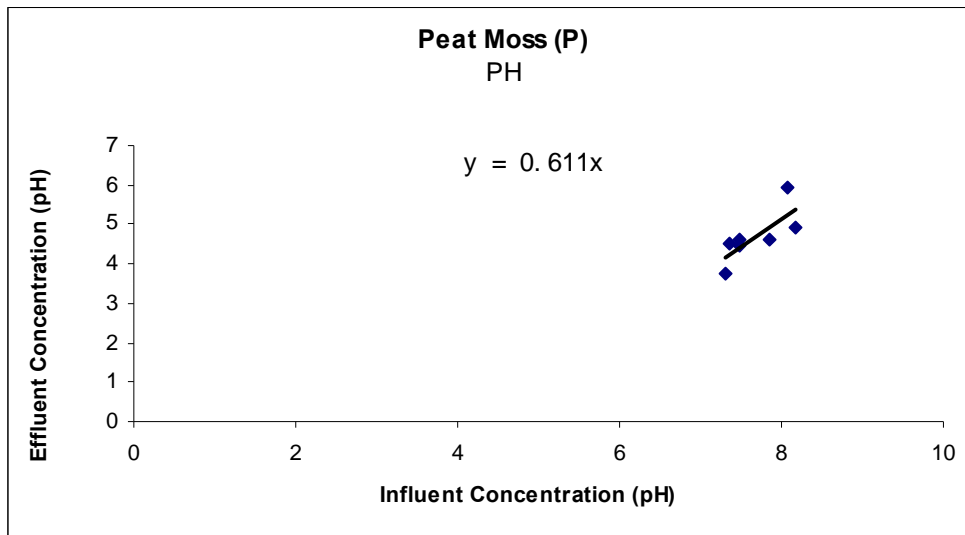
Regression Statistics	
Multiple R	0.995
R Square	0.990
Adjusted R Square	0.823
Standard Error	0.512
Observations	7.000

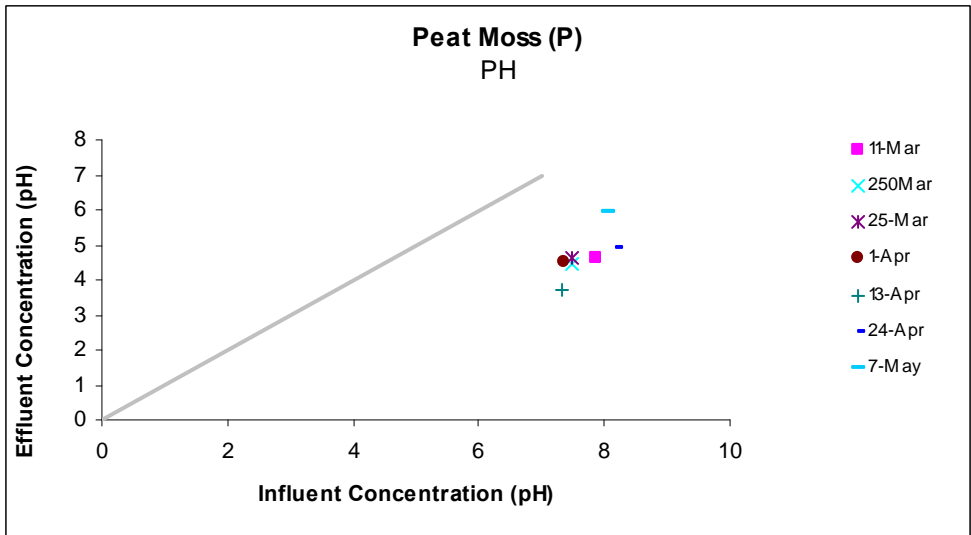
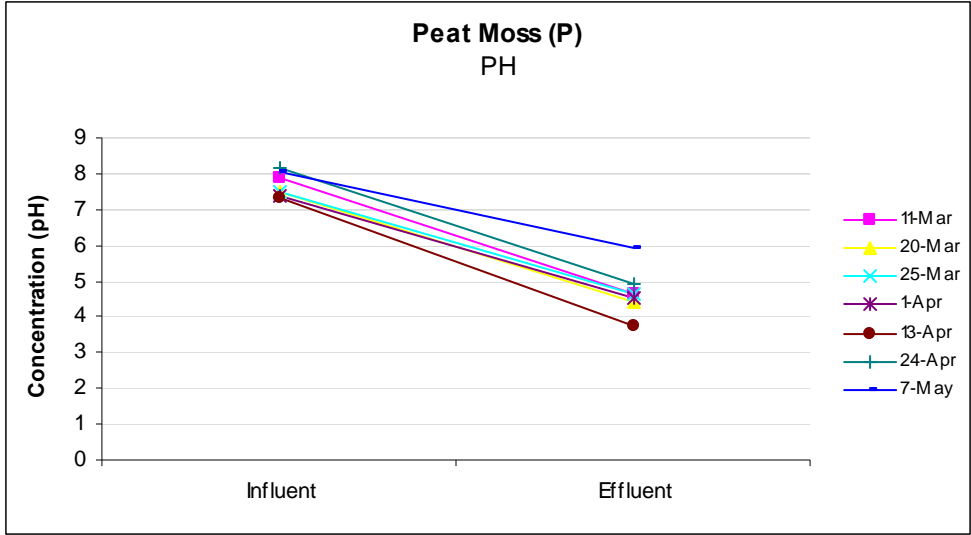
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	154.486	154.486	588.853	0.000
Residual	6.000	1.574	0.262		
Total	7.000	156.060			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.611	0.025	24.266	0.000	0.550	0.673	0.550	0.673

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	4.805	-0.175
2	4.573	-0.133
3	4.567	0.053
4	4.506	0.024
5	4.475	-0.735
6	4.995	-0.095
7	4.934	0.986







# Conductivity

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.151
R Square	0.023
Adjusted R Square	-0.173
Standard Error	50.683
Observations	7.000

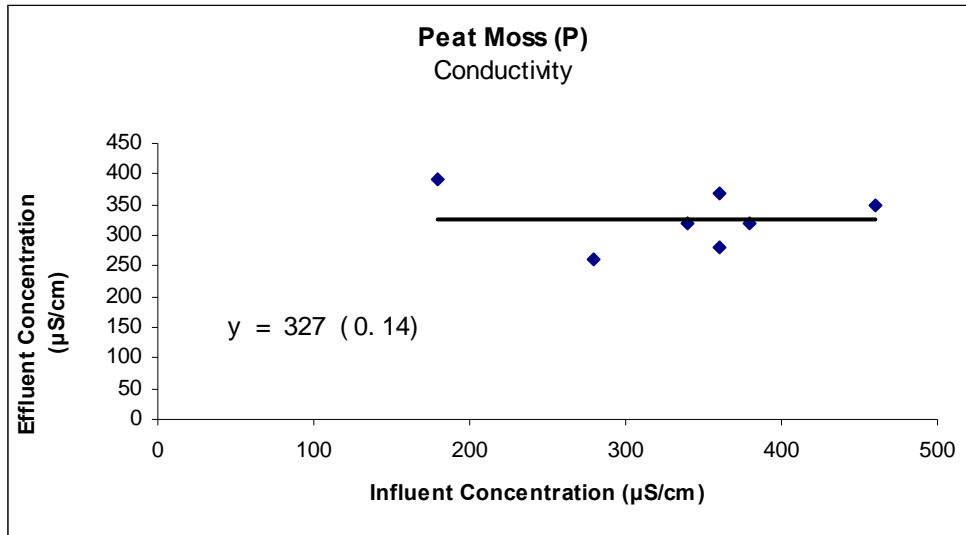
## ANOVA

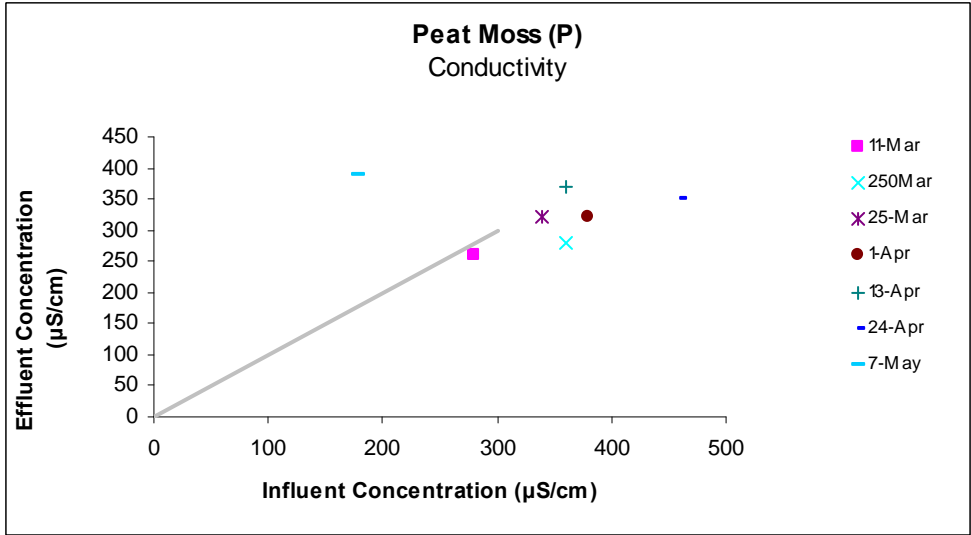
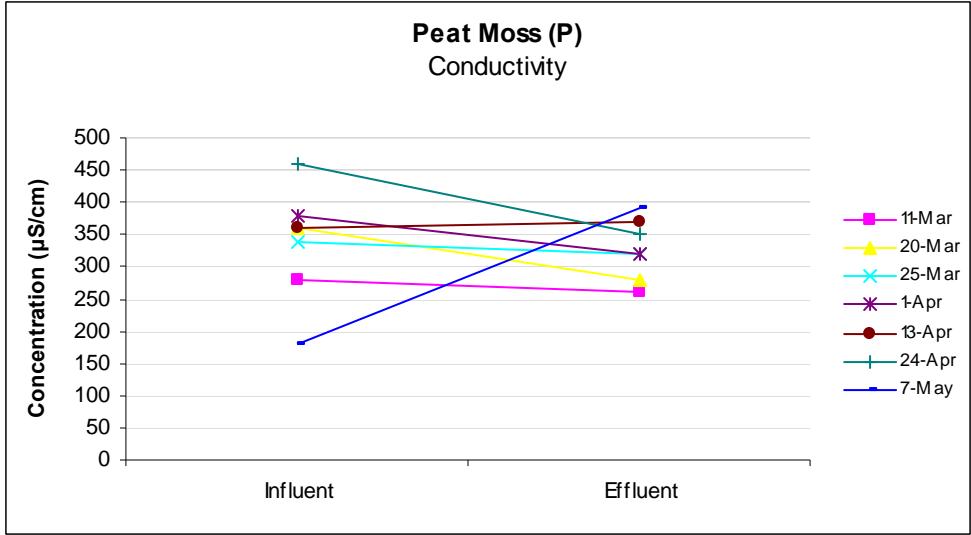
	df	SS	MS	F	Significance F
Regression	1.000	299.157	299.157	0.116	0.747
Residual	5.000	12843.700	2568.740		
Total	6.000	13142.857			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	354.244	81.892	4.336	0.007	144.249	564.239	144.249	564.239
X Variable 1	-0.080	0.236	-0.341	0.747	-0.686	0.525	-0.686	0.525

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	331.727	-71.727
2	325.293	-45.293
3	326.902	-6.902
4	323.685	-3.685
5	325.293	44.707
6	317.251	32.749
7	339.849	50.151





# ORP

## SUMMARY OUTPUT

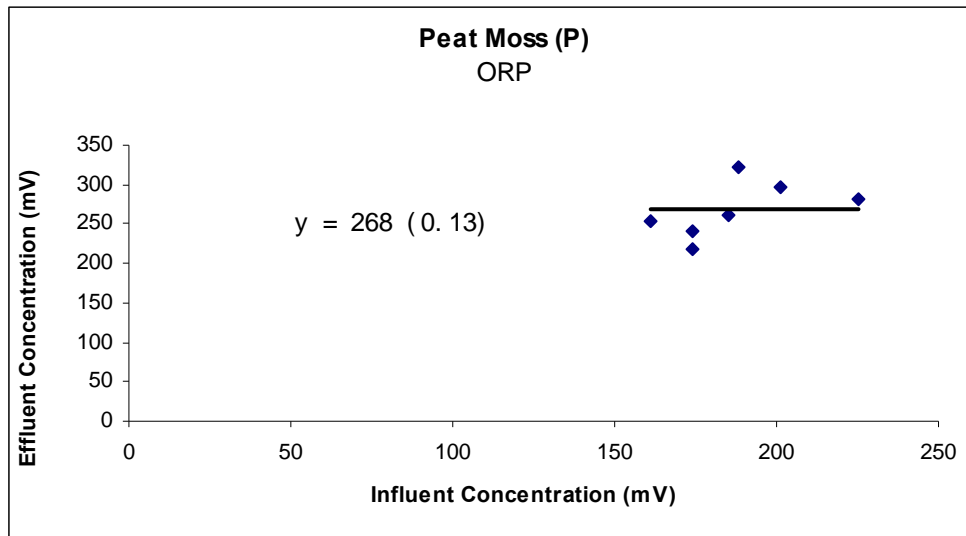
Regression Statistics	
Multiple R	0.526
R Square	0.277
Adjusted R Square	0.133
Standard Error	33.277
Observations	7.000

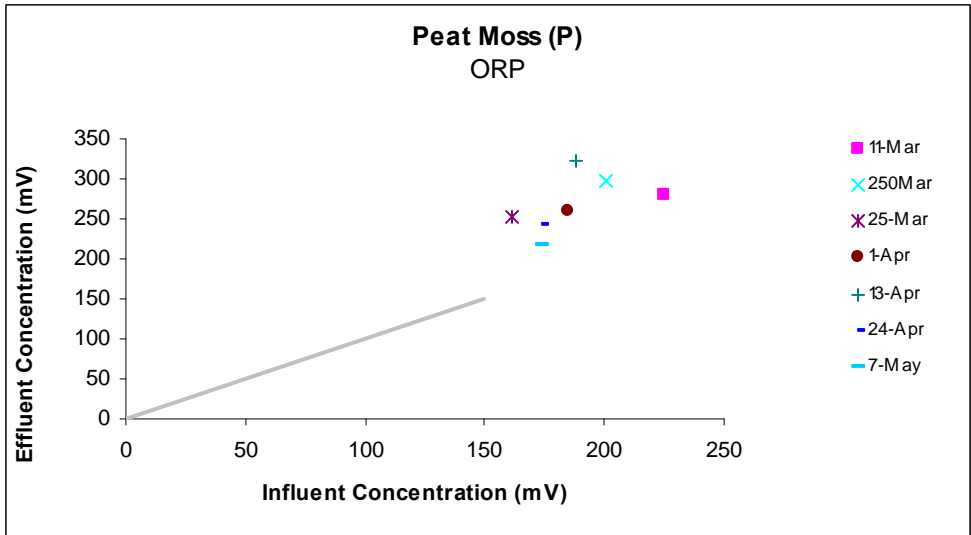
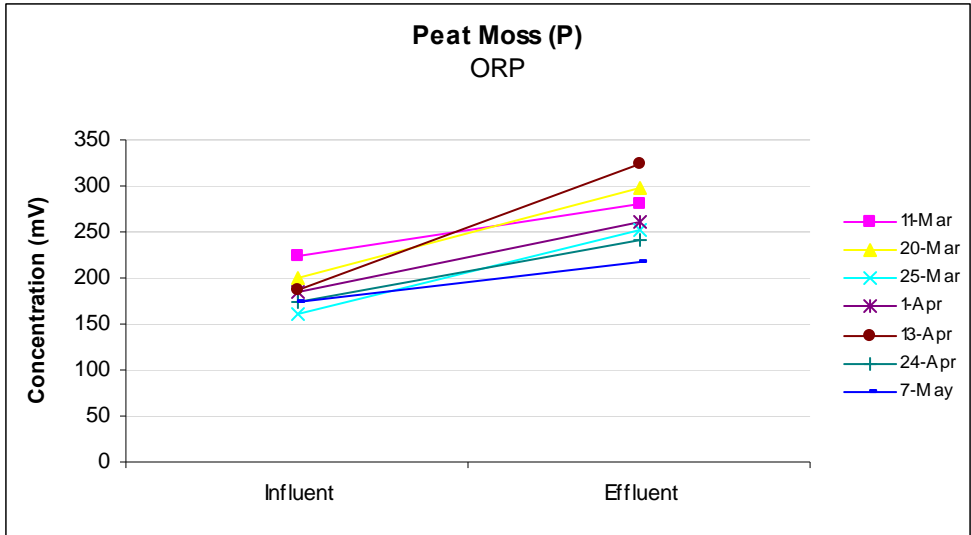
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	2122.723	2122.723	1.917	0.225
Residual	5.000	5536.705	1107.341		
Total	6.000	7659.429			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	100.756	121.242	0.831	0.444	-210.906	412.418	-210.906	412.418
X Variable 1	0.894	0.645	1.385	0.225	-0.765	2.552	-0.765	2.552

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	301.795	-20.795
2	280.351	17.649
3	244.611	8.389
4	266.055	-6.055
5	268.735	54.265
6	256.226	-14.226
7	256.226	-39.226





# Color

## SUMMARY OUTPUT

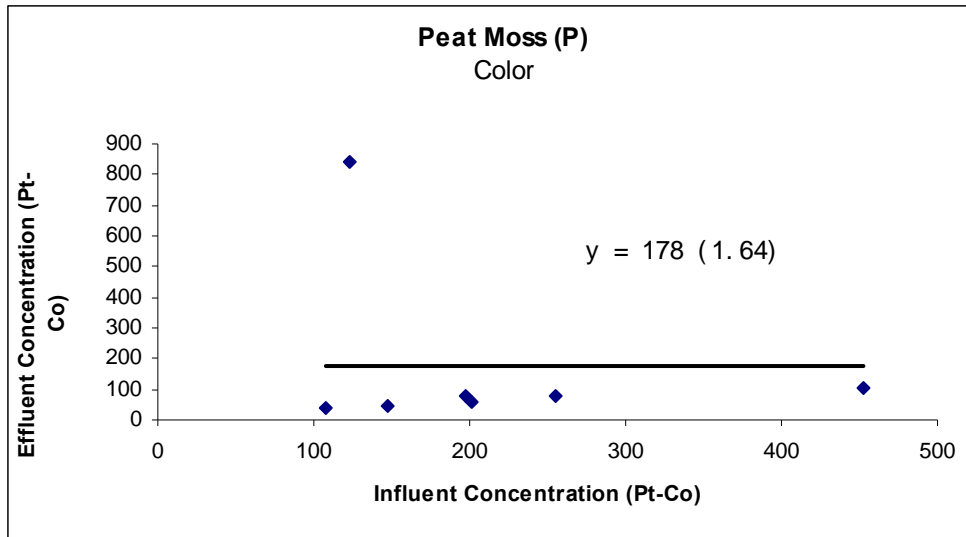
Regression Statistics	
Multiple R	0.269
R Square	0.072
Adjusted R Square	-0.113
Standard Error	308.589
Observations	7.000

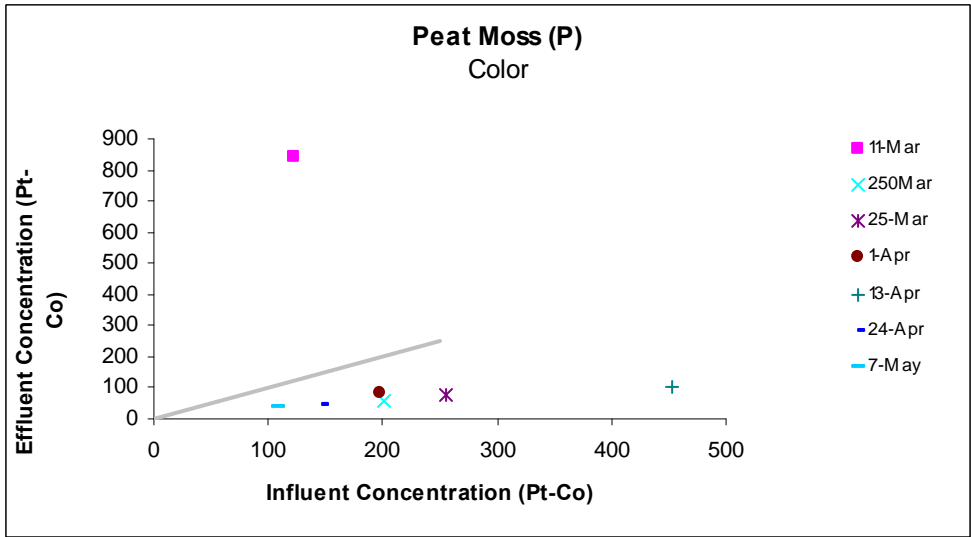
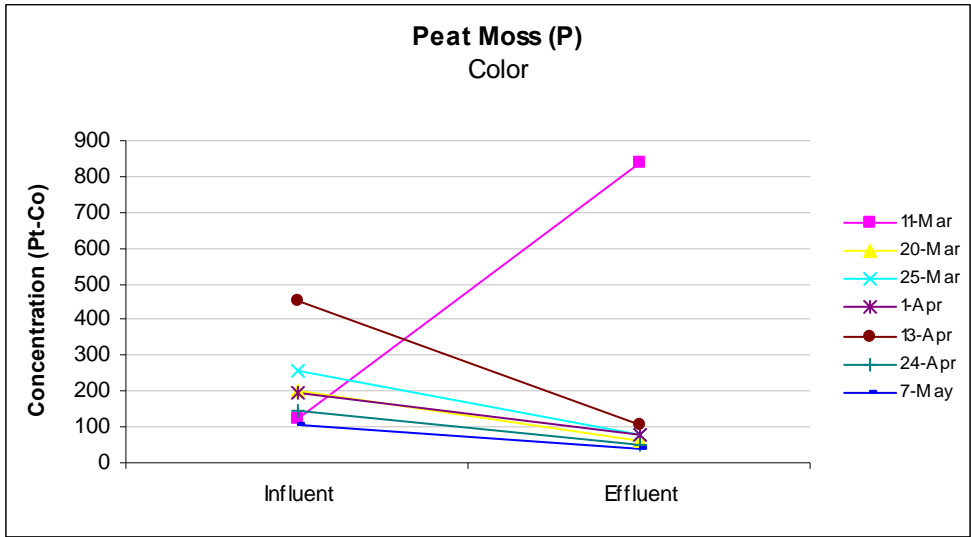
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	37058.694	37058.694	0.389	0.560
Residual	5.000	476137.020	95227.404		
Total	6.000	513195.714			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	320.027	254.993	1.255	0.265	-335.454	975.508	-335.454	975.508
X Variable 1	-0.667	1.070	-0.624	0.560	-3.417	2.082	-3.417	2.082

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	237.956	602.044
2	185.911	-125.911
3	149.880	-72.880
4	188.580	-107.580
5	17.766	86.234
6	221.942	-173.942
7	247.965	-207.965





# Fluoride

## SUMMARY OUTPUT

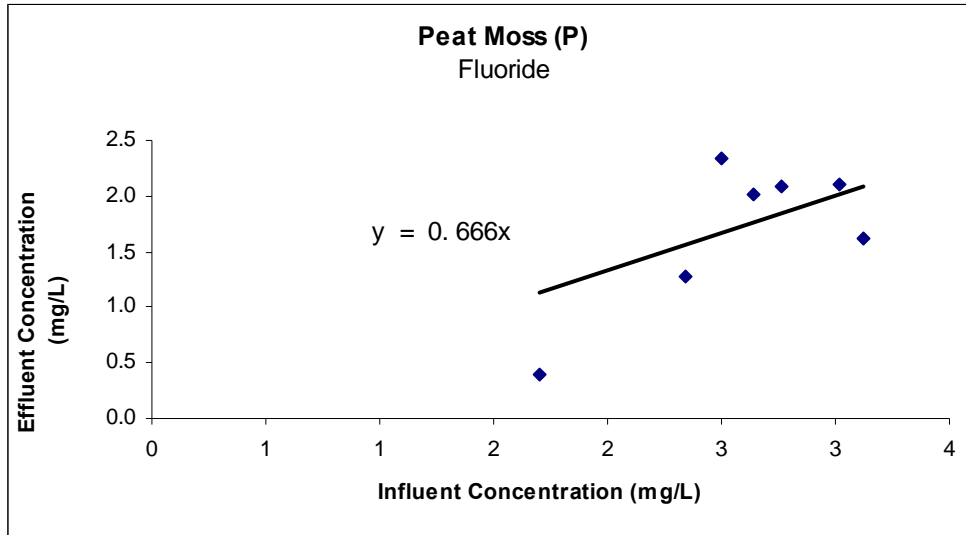
Regression Statistics	
Multiple R	0.968
R Square	0.938
Adjusted R Square	0.771
Standard Error	0.486
Observations	7.000

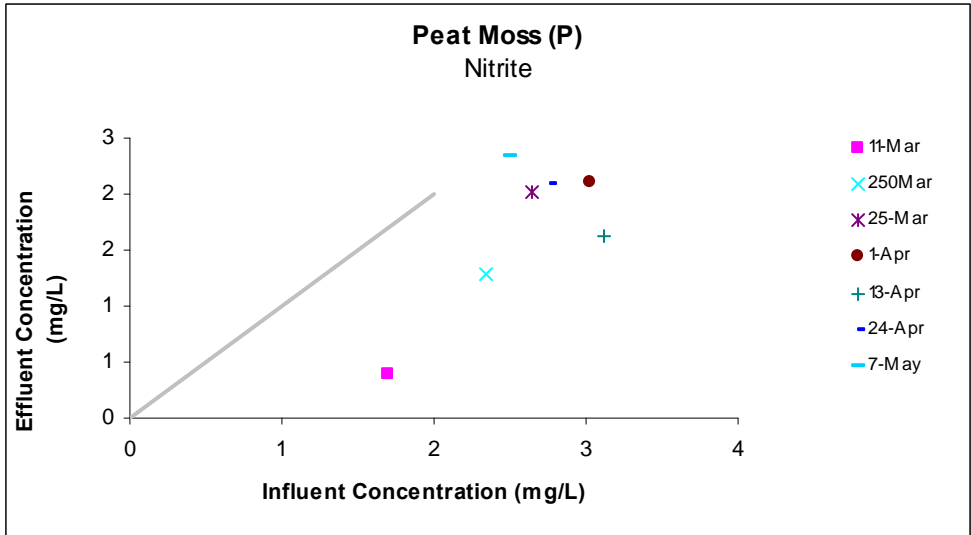
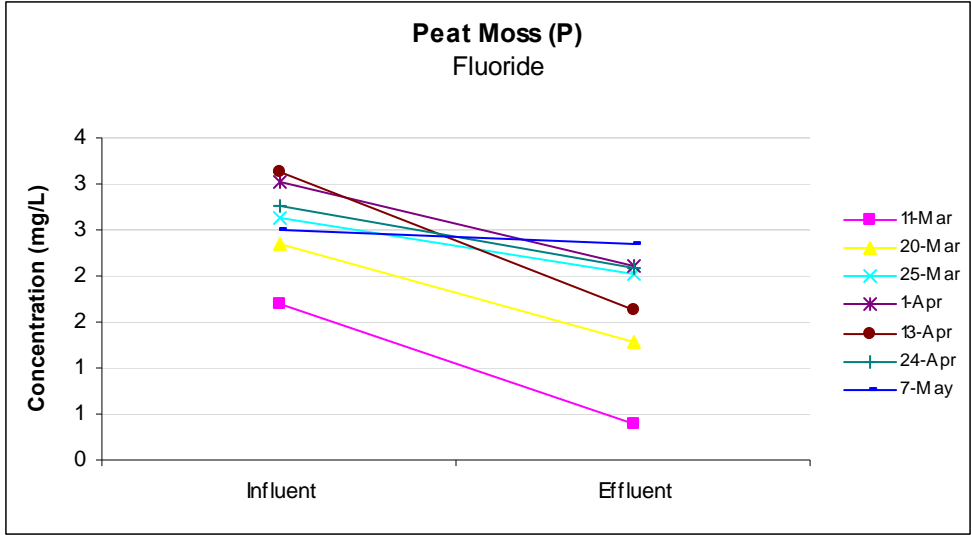
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	21.338	21.338	90.240	0.000
Residual	6.000	1.419	0.236		
Total	7.000	22.757			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.666	0.070	9.499	0.000	0.495	0.838	0.495	0.838

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.133	-0.733
2	1.559	-0.279
3	1.759	0.261
4	2.012	0.088
5	2.079	-0.459
6	1.839	0.251
7	1.866	0.674







# Sulfate

## SUMMARY OUTPUT

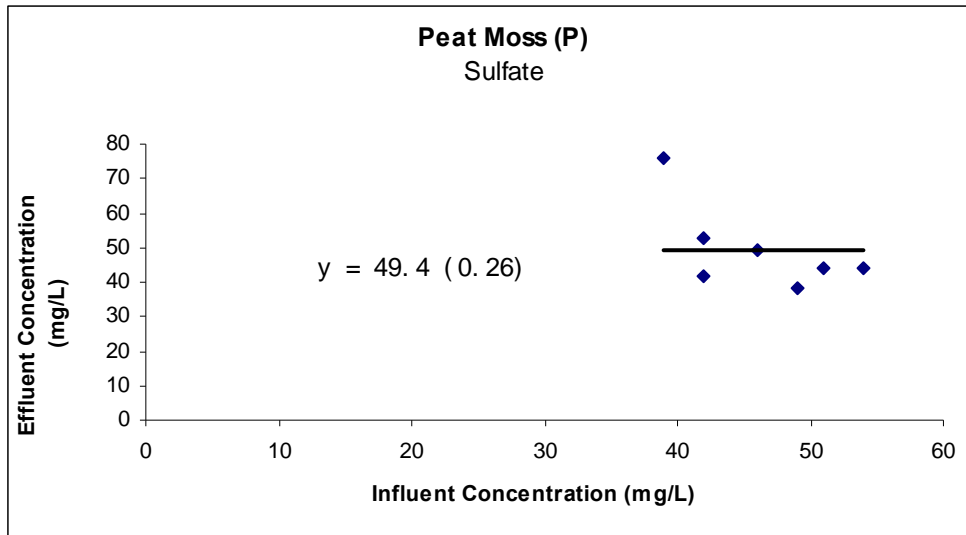
Regression Statistics	
Multiple R	0.663
R Square	0.440
Adjusted R Square	0.328
Standard Error	10.388
Observations	7.000

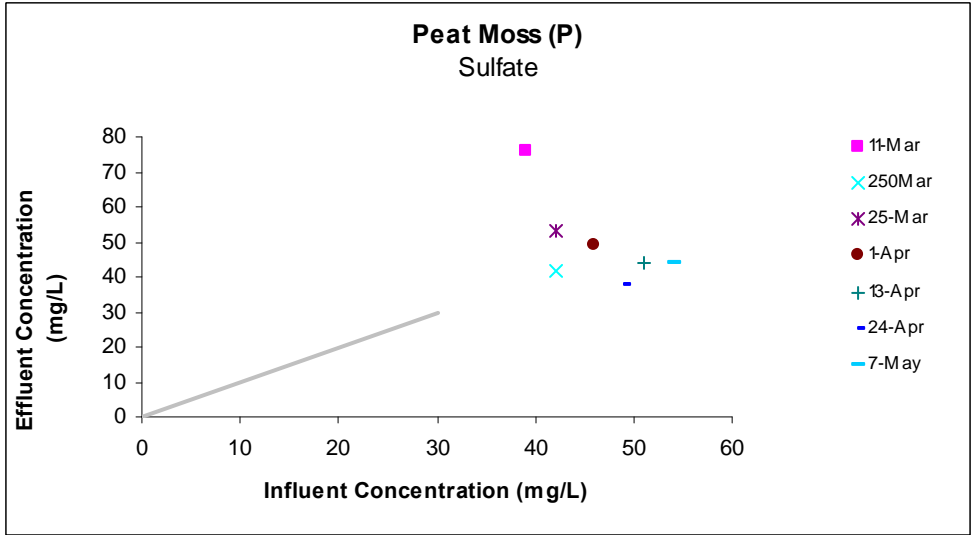
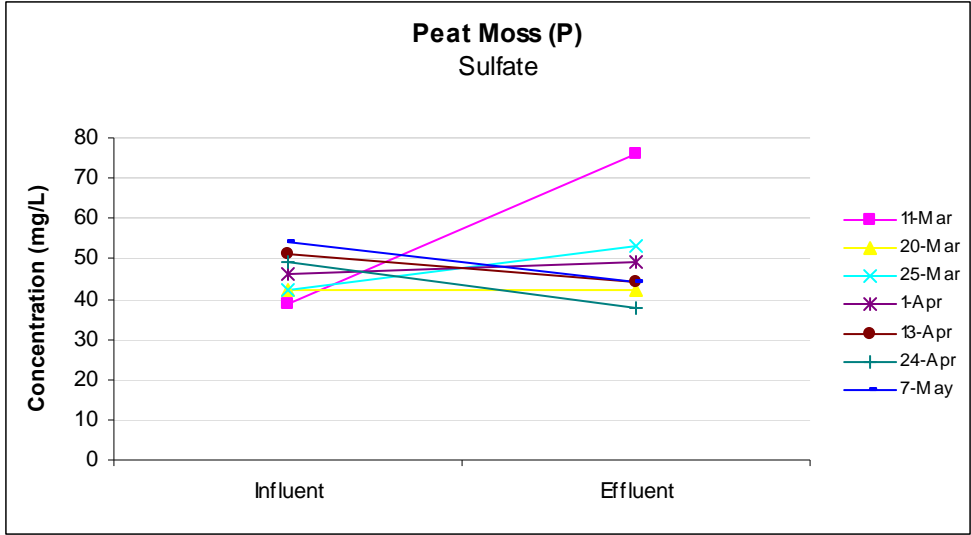
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	424.142	424.142	3.930	0.104
Residual	5.000	539.572	107.914		
Total	6.000	963.714			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	120.486	36.056	3.342	0.021	27.800	213.171	27.800	213.171
X Variable 1	-1.540	0.777	-1.983	0.104	-3.537	0.457	-3.537	0.457

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	60.428	15.572
2	55.808	-13.808
3	55.808	-2.808
4	49.649	-0.649
5	41.949	2.051
6	45.029	-7.029
7	37.329	6.671





# Phosphate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.369
R Square	0.136
Adjusted R Square	-0.037
Standard Error	8.386
Observations	7.000

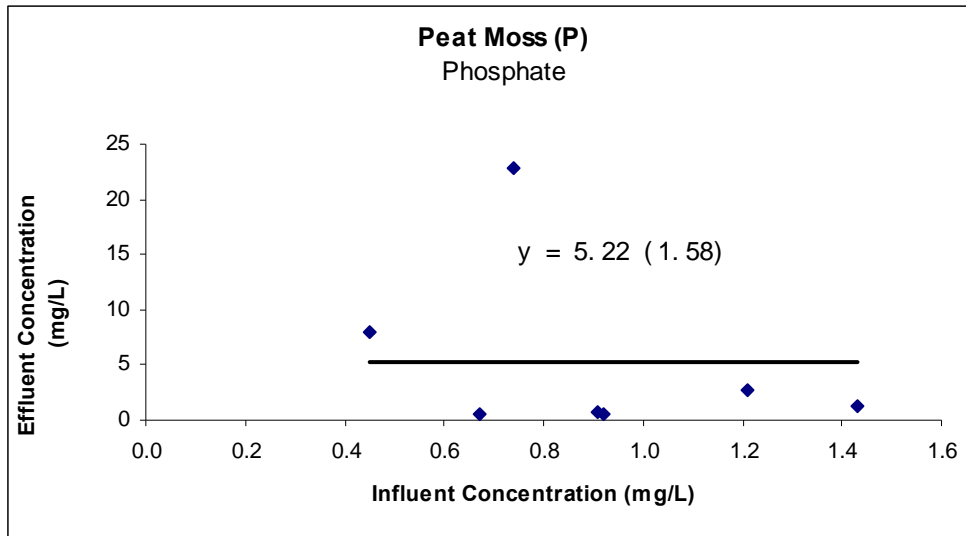
## ANOVA

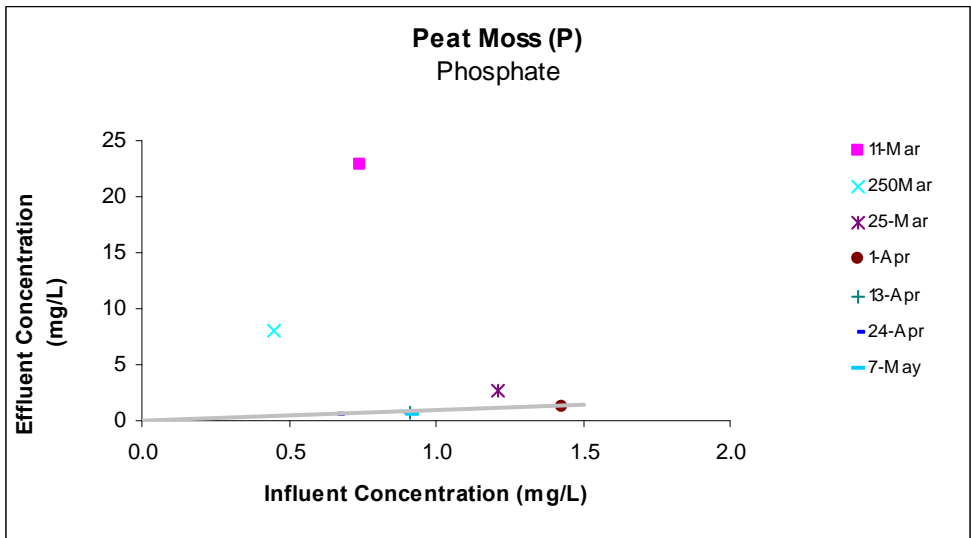
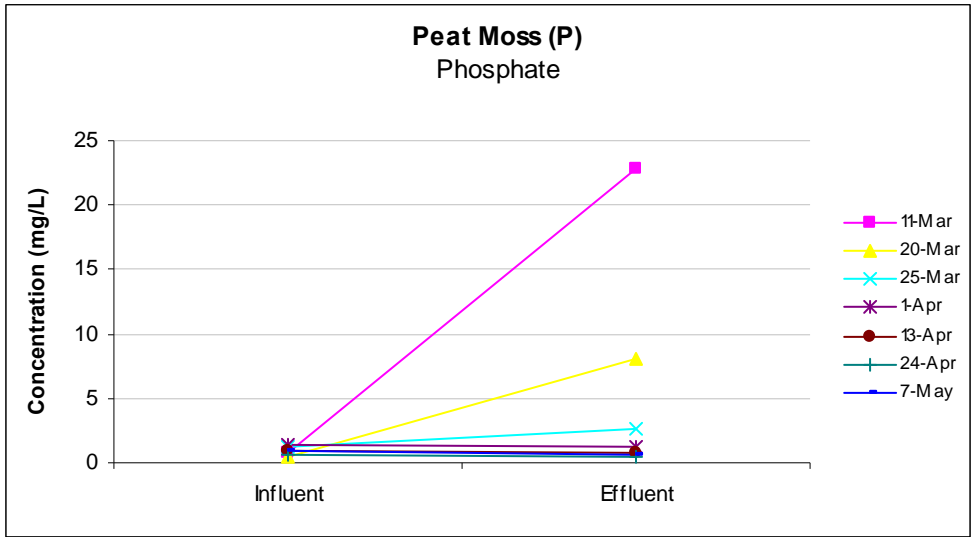
	df	SS	MS	F	Significance F
Regression	1.000	55.346	55.346	0.787	0.416
Residual	5.000	351.626	70.325		
Total	6.000	406.972			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	13.515	9.869	1.370	0.229	-11.853	38.884	-11.853	38.884
X Variable 1	-9.169	10.335	-0.887	0.416	-35.736	17.399	-35.736	17.399

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	6.731	16.189
2	9.390	-1.390
3	2.421	0.219
4	0.404	0.846
5	5.172	-4.452
6	7.372	-6.872
7	5.080	-4.520





# TN

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.952
R Square	0.906
Adjusted R Square	0.739
Standard Error	4.289
Observations	7.000

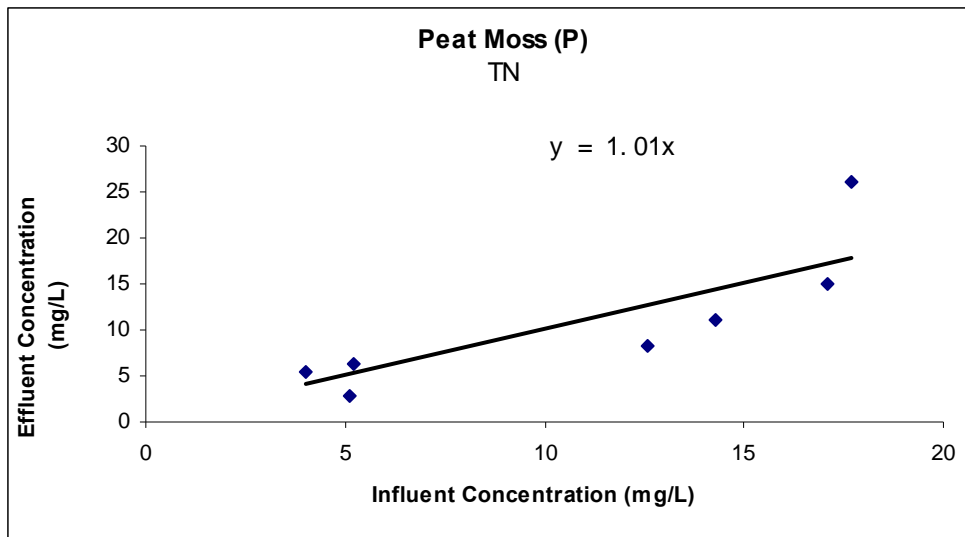
## ANOVA

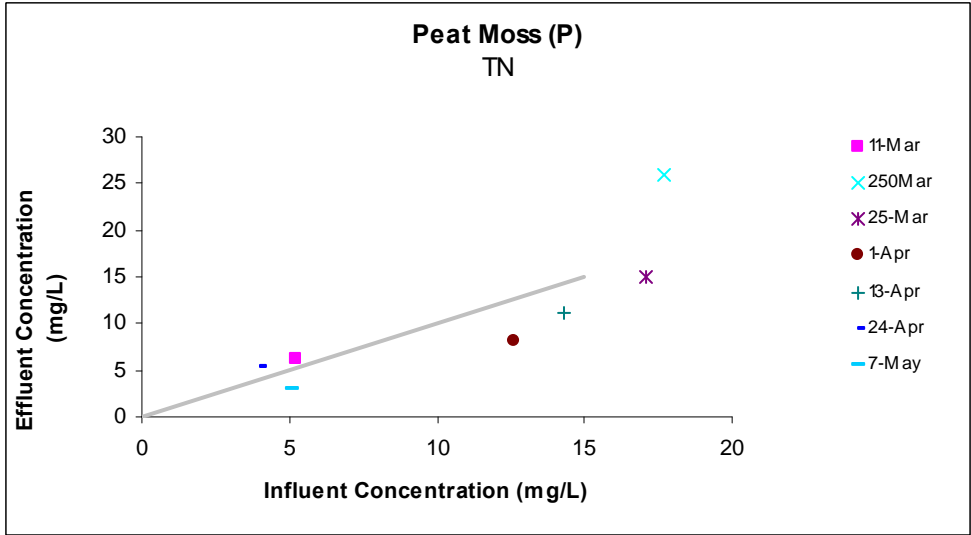
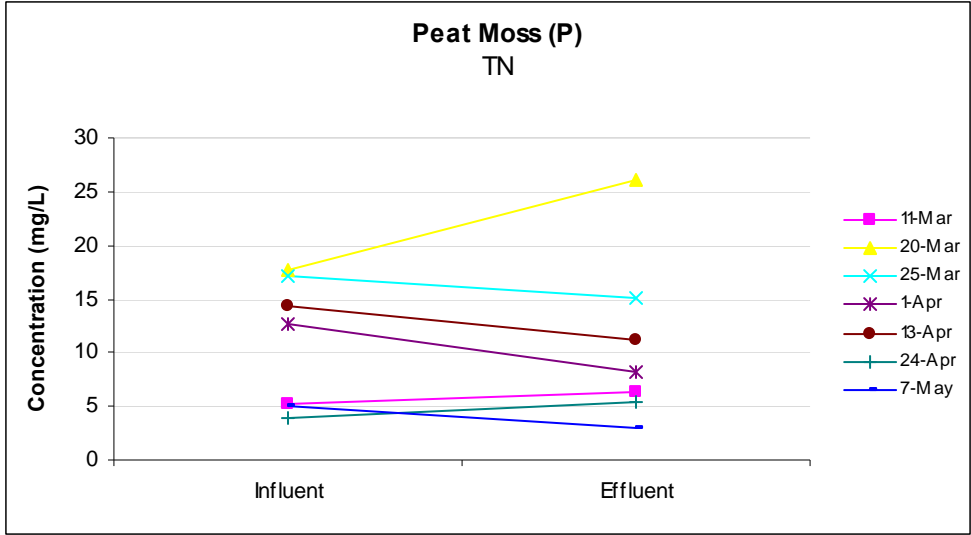
	df	SS	MS	F	Significance F
Regression	1.000	1061.350	1061.350	57.698	0.001
Residual	6.000	110.370	18.395		
Total	7.000	1171.720			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	1.011	0.133	7.596	0.000	0.685	1.337	0.685	1.337

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	5.258	1.042
2	17.898	8.102
3	17.291	-2.191
4	12.741	-4.541
5	14.460	-3.360
6	4.045	1.355
7	5.157	-2.257





# UV 254

## SUMMARY OUTPUT

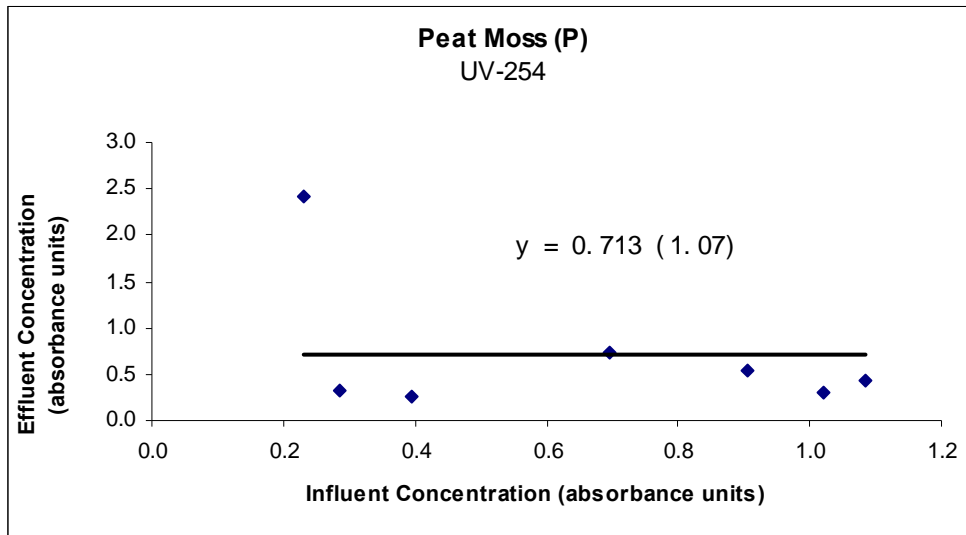
Regression Statistics	
Multiple R	0.465
R Square	0.217
Adjusted R Square	0.060
Standard Error	0.743
Observations	7.000

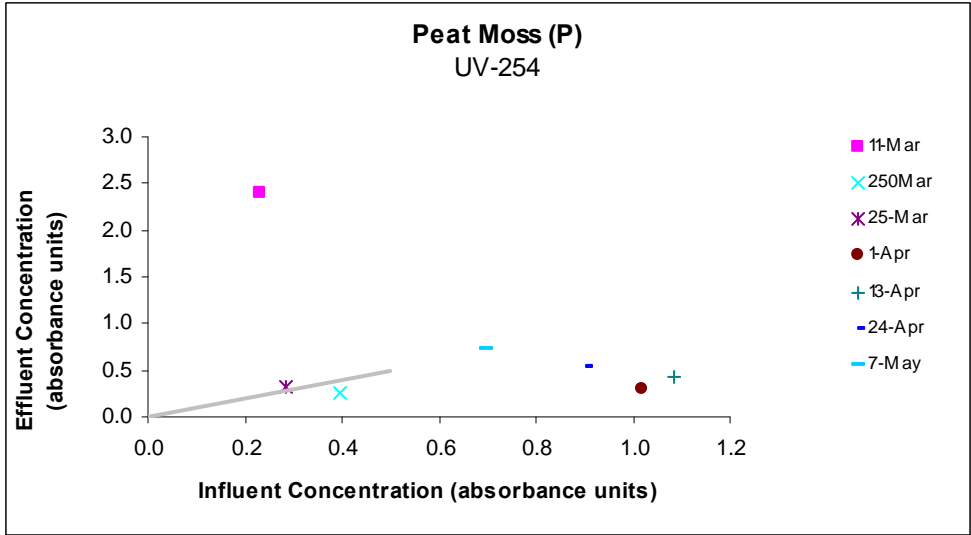
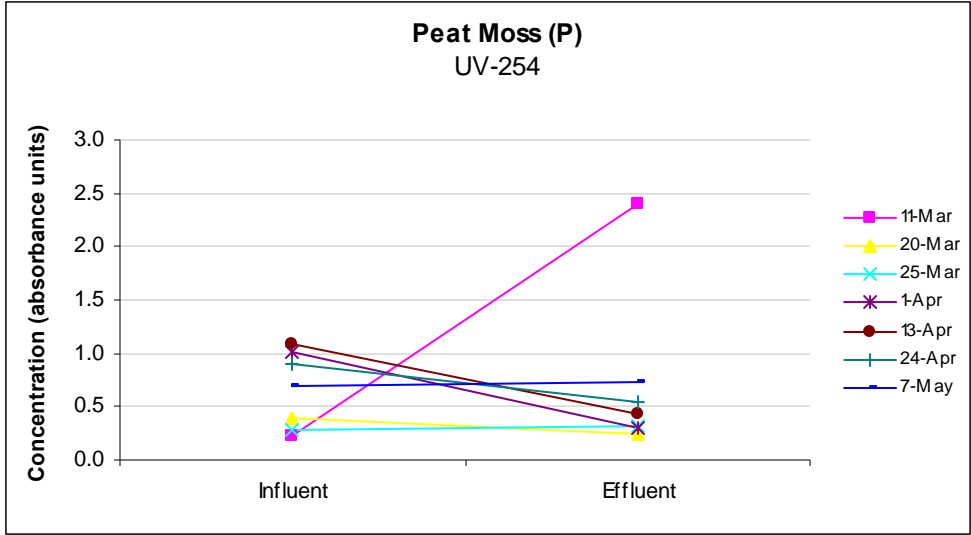
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.762	0.762	1.383	0.293
Residual	5.000	2.758	0.552		
Total	6.000	3.520			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	1.371	0.626	2.190	0.080	-0.238	2.979	-0.238	2.979
X Variable 1	-0.998	0.849	-1.176	0.293	-3.179	1.184	-3.179	1.184

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.141	1.267
2	0.977	-0.725
3	1.086	-0.770
4	0.353	-0.055
5	0.289	0.149
6	0.469	0.075
7	0.676	0.060







# Chloride

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.281
R Square	0.079
Adjusted R Square	-0.105
Standard Error	5.083
Observations	7.000

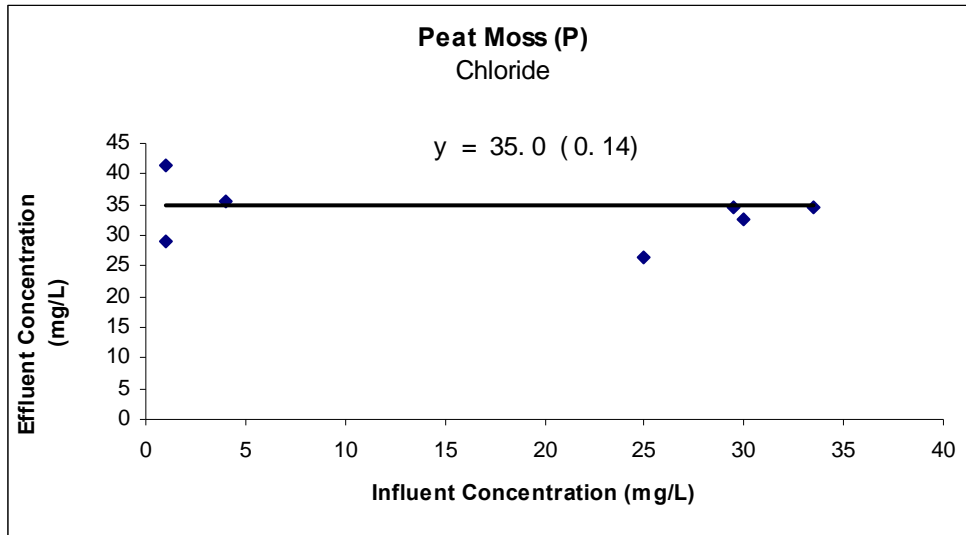
## ANOVA

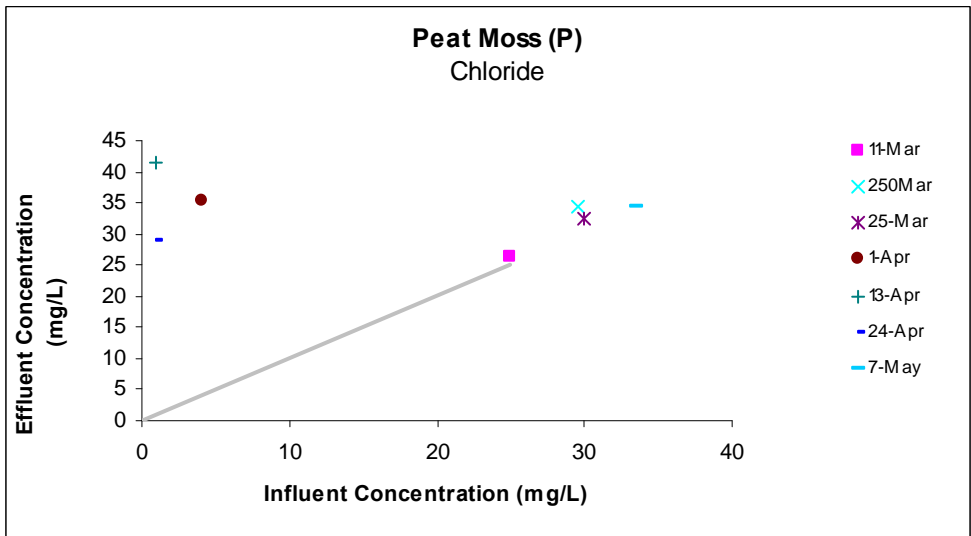
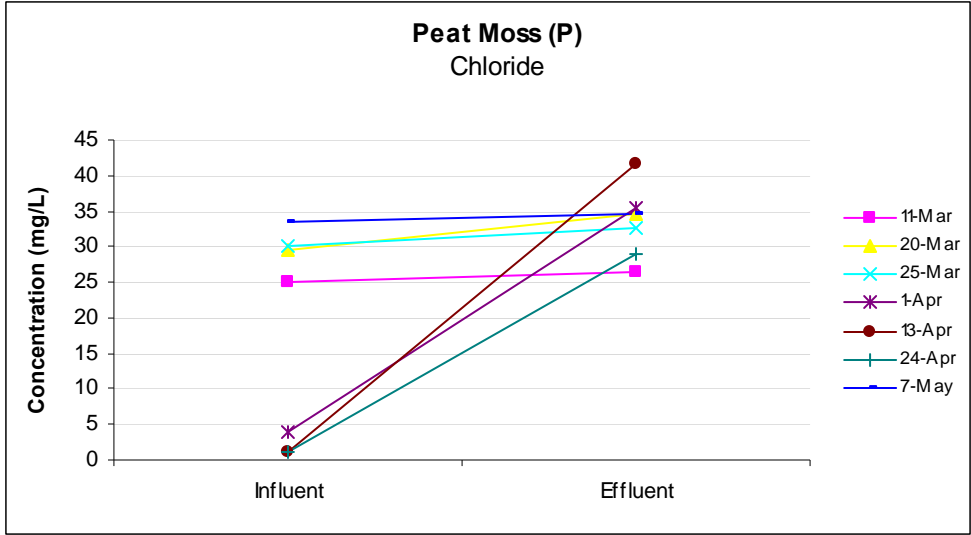
	df	SS	MS	F	Significance F
Regression	1.000	11.051	11.051	0.428	0.542
Residual	5.000	129.163	25.833		
Total	6.000	140.214			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	35.038	3.122	11.224	0.000	27.014	43.062	27.014	43.062
X Variable 1	-0.091	0.139	-0.654	0.542	-0.448	0.266	-0.448	0.266

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	32.767	-6.267
2	32.358	2.142
3	32.312	0.188
4	34.675	0.825
5	34.947	6.553
6	34.947	-5.947
7	31.994	2.506





# Hardness

## SUMMARY OUTPUT

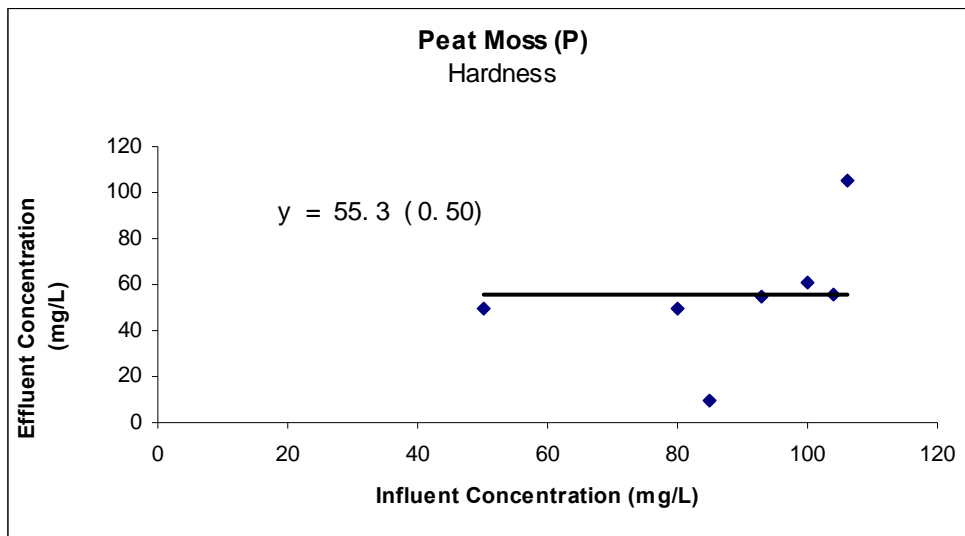
Regression Statistics	
Multiple R	0.418
R Square	0.175
Adjusted R Square	0.010
Standard Error	27.583
Observations	7.000

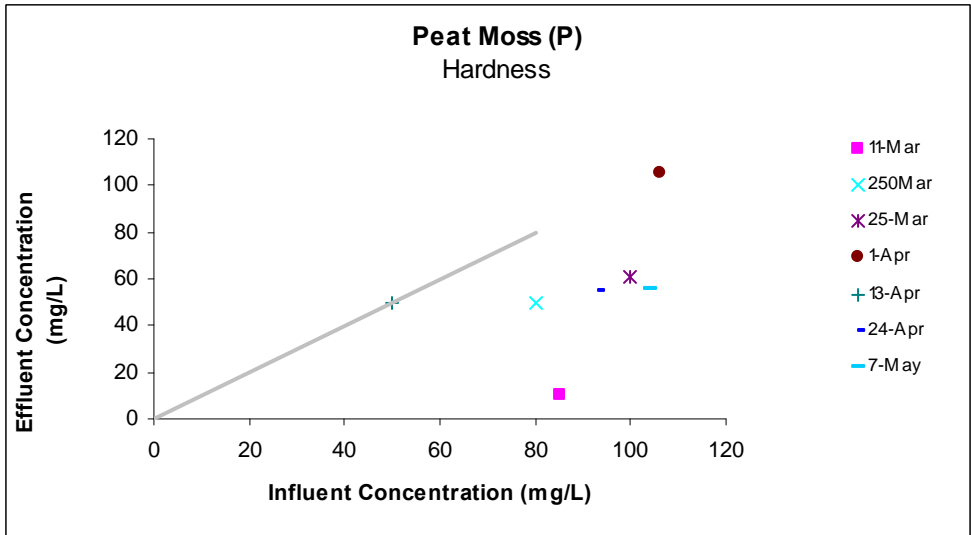
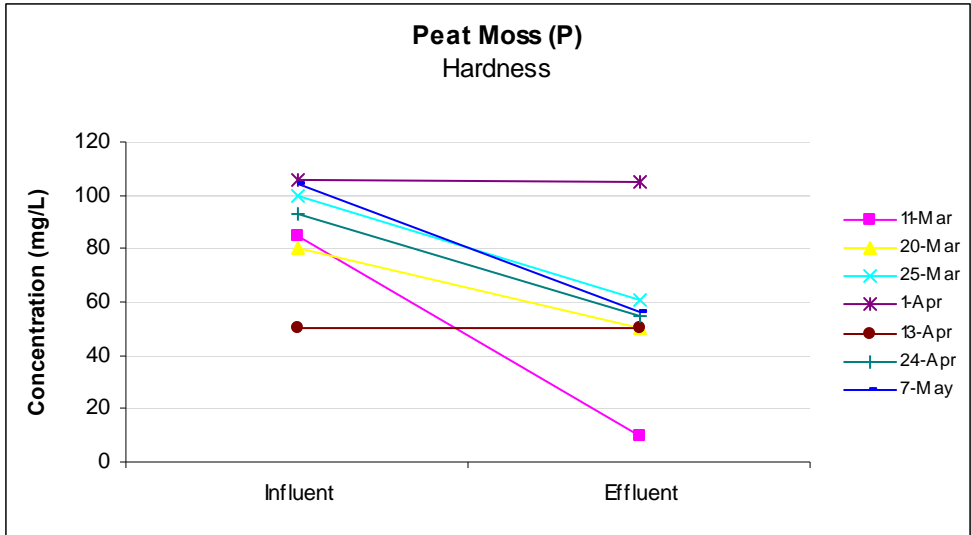
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	807.381	807.381	1.061	0.350
Residual	5.000	3804.048	760.810		
Total	6.000	4611.429			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	2.580	52.214	0.049	0.962	-131.640	136.801	-131.640	136.801
X Variable 1	0.597	0.580	1.030	0.350	-0.893	2.087	-0.893	2.087

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	53.324	-43.324
2	50.339	-0.339
3	62.279	-1.279
4	65.861	39.139
5	32.430	17.570
6	58.100	-3.100
7	64.667	-8.667





# NO2+NO3

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.791
R Square	0.625
Adjusted R Square	0.551
Standard Error	0.383
Observations	7.000

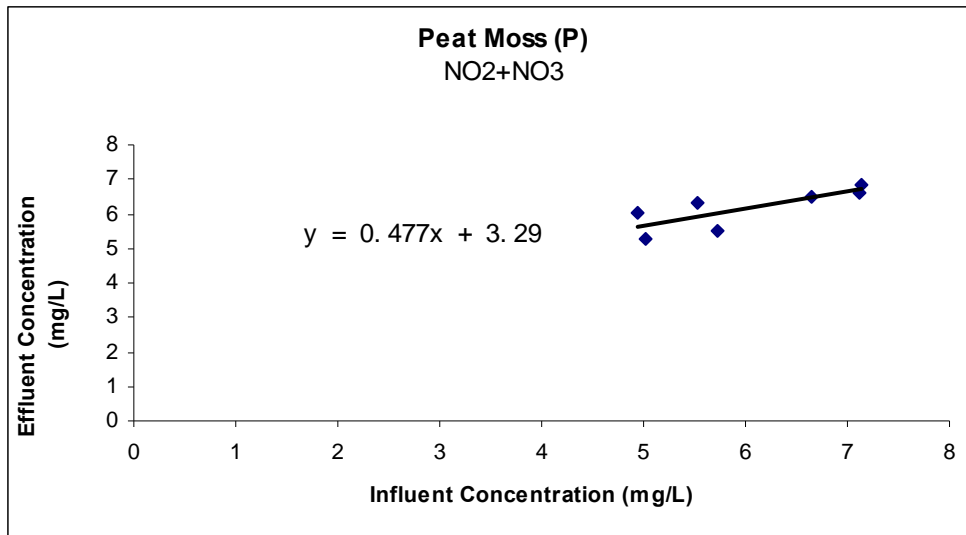
## ANOVA

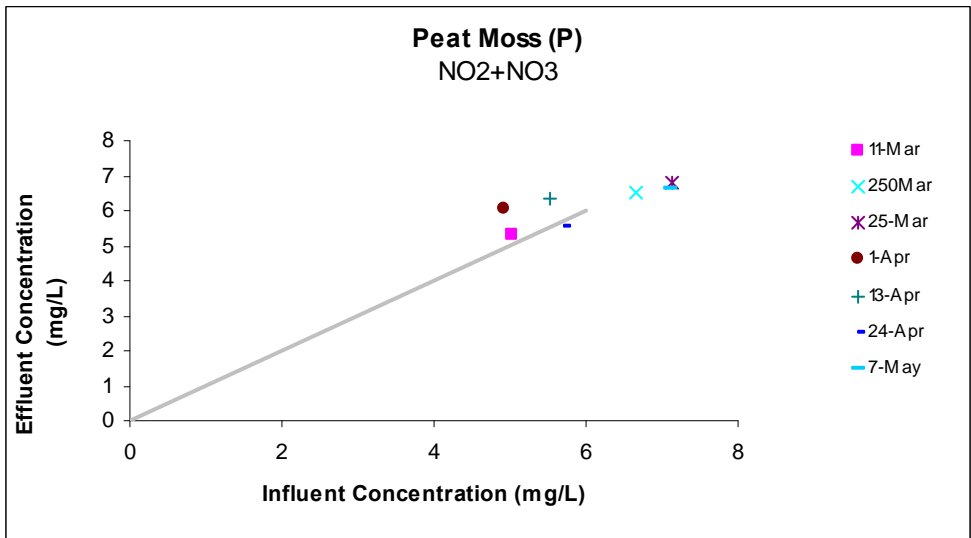
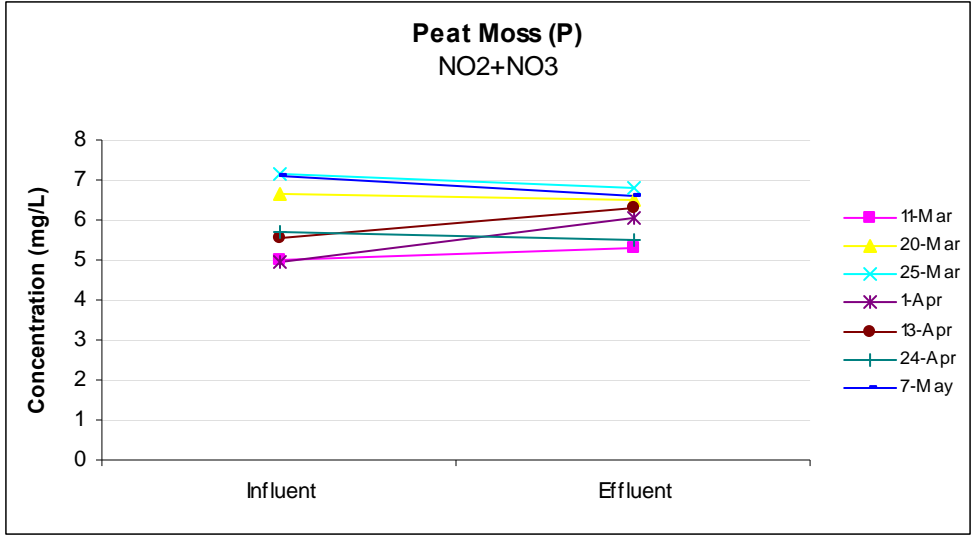
	df	SS	MS	F	Significance F
Regression	1.000	1.222	1.222	8.350	0.034
Residual	5.000	0.732	0.146		
Total	6.000	1.954			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	3.291	1.004	3.279	0.022	0.711	5.872	0.711	5.872
X Variable 1	0.477	0.165	2.890	0.034	0.053	0.902	0.053	0.902

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	5.687	-0.384
2	6.463	0.058
3	6.700	0.122
4	5.646	0.392
5	5.929	0.393
6	6.021	-0.501
7	6.687	-0.080





# Rhyolite Sand

## Nitrite

### SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.449
R Square	0.201
Adjusted R Square	0.042
Standard Error	0.020
Observations	7.000

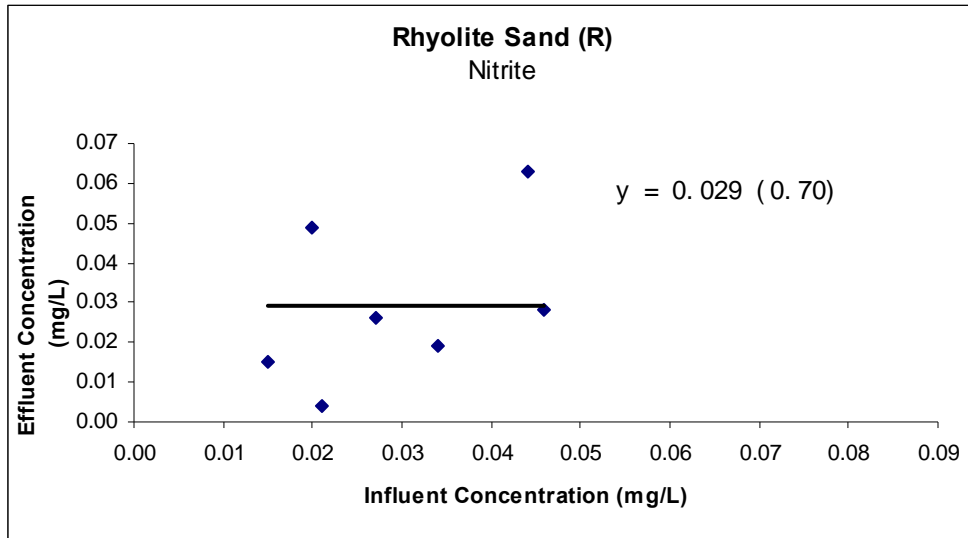
### ANOVA

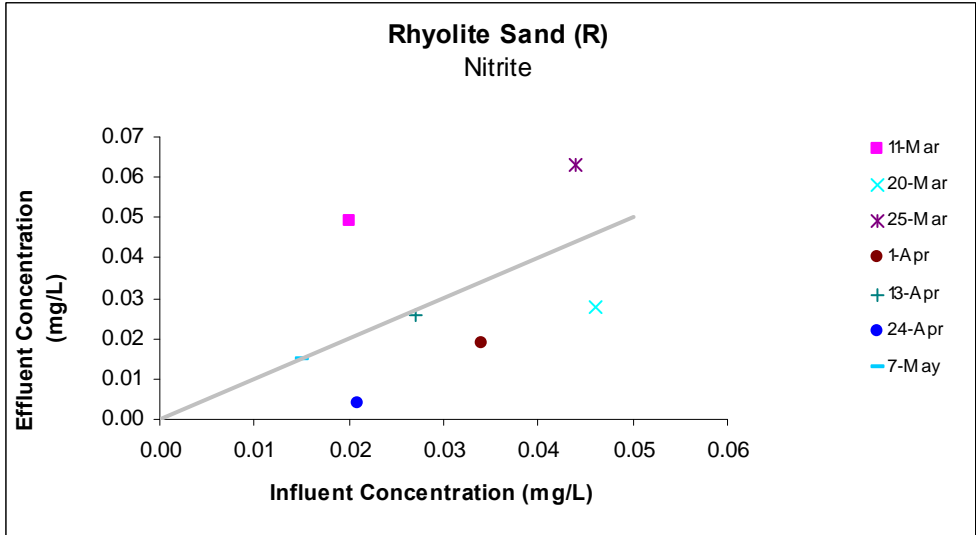
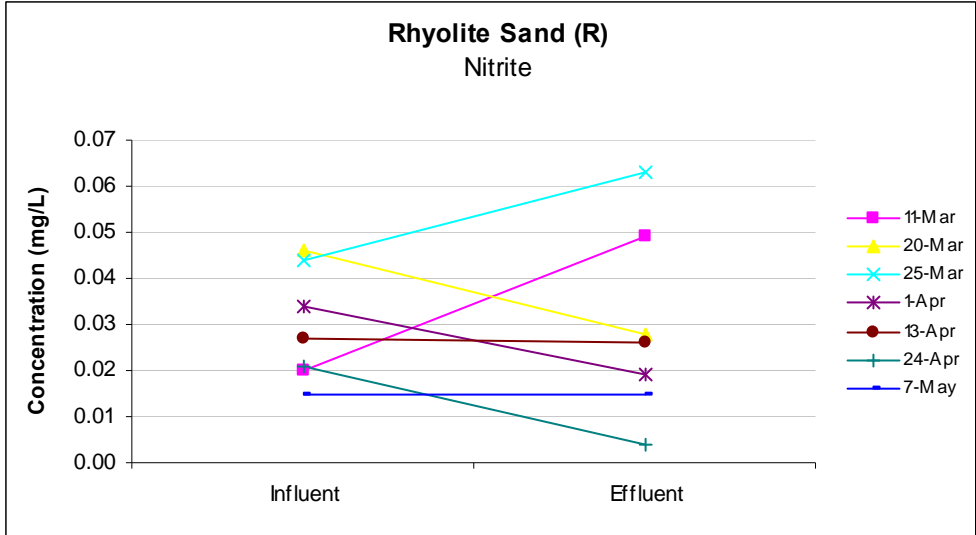
	df	SS	MS	F	Significance F
Regression	1.000	0.001	0.001	1.260	0.313
Residual	5.000	0.002	0.000		
Total	6.000	0.002			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.007	0.021	0.323	0.760	-0.048	0.061	-0.048	0.061
X Variable 1	0.754	0.671	1.123	0.313	-0.972	2.479	-0.972	2.479

### RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.022	0.027
2	0.042	-0.014
3	0.040	0.023
4	0.032	-0.013
5	0.027	-0.001
6	0.023	-0.019
7	0.018	-0.003







# Nitrate

## SUMMARY OUTPUT

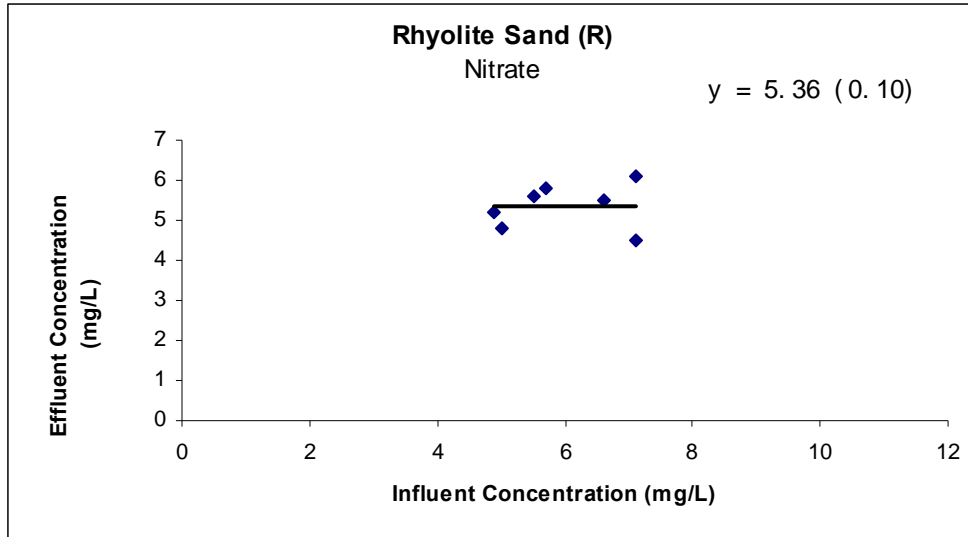
Regression Statistics	
Multiple R	0.137
R Square	0.019
Adjusted R Square	-0.177
Standard Error	0.610
Observations	7.000

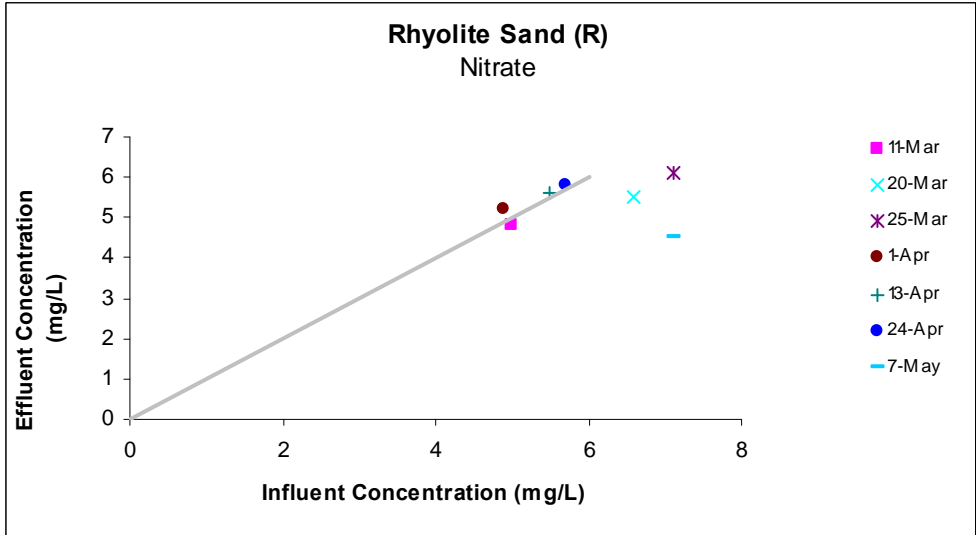
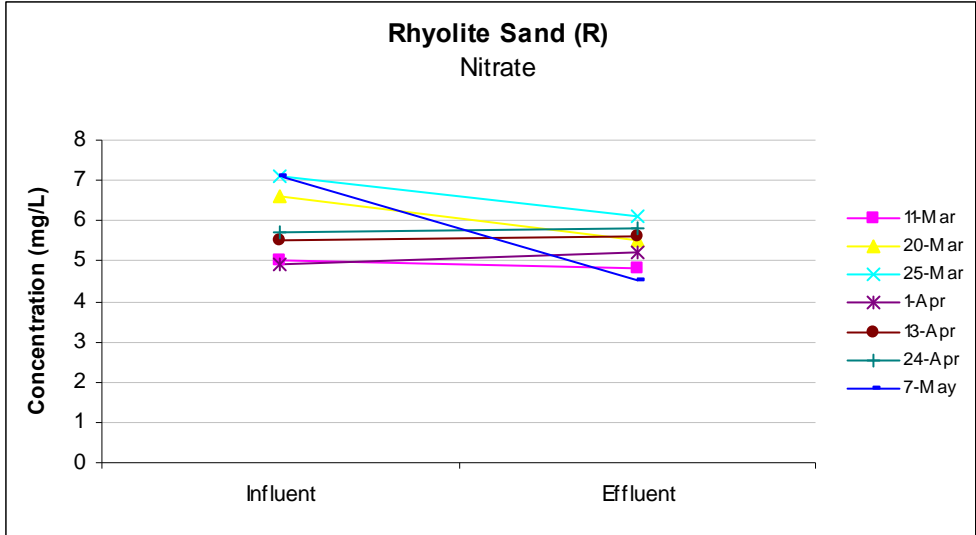
ANOVA						
	df	SS	MS	F	Significance F	
Regression	1.000	0.036	0.036	0.096	0.770	
Residual	5.000	1.862	0.372			
Total	6.000	1.897				

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	4.868	1.599	3.044	0.029	0.758	8.978	0.758	8.978
X Variable 1	0.082	0.264	0.309	0.770	-0.598	0.761	-0.598	0.761

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	5.277	-0.477
2	5.407	0.093
3	5.448	0.652
4	5.268	-0.068
5	5.317	0.283
6	5.334	0.466
7	5.448	-0.948





# Ammonia

Rhyolite Sand

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.154
R Square	0.024
Adjusted R Square	-0.172
Standard Error	0.455
Observations	7.000

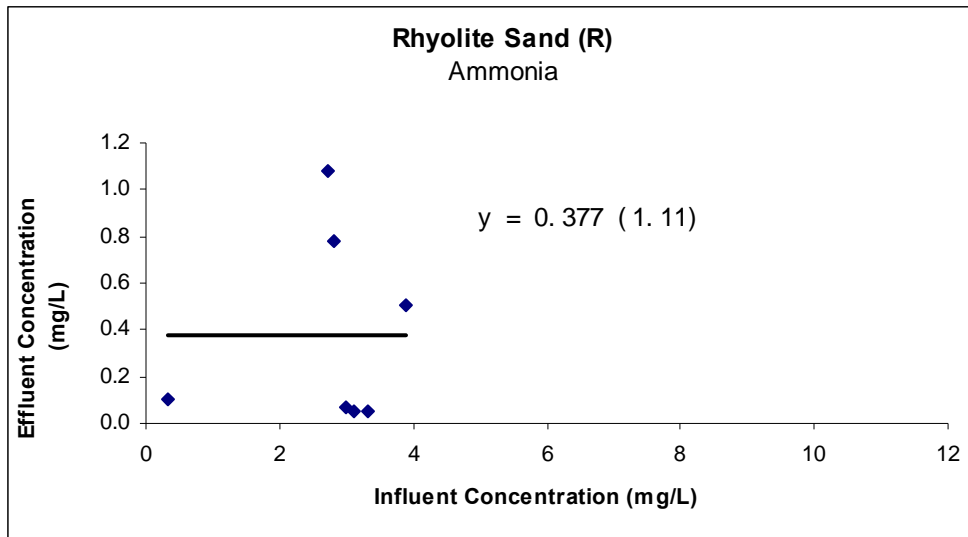
## ANOVA

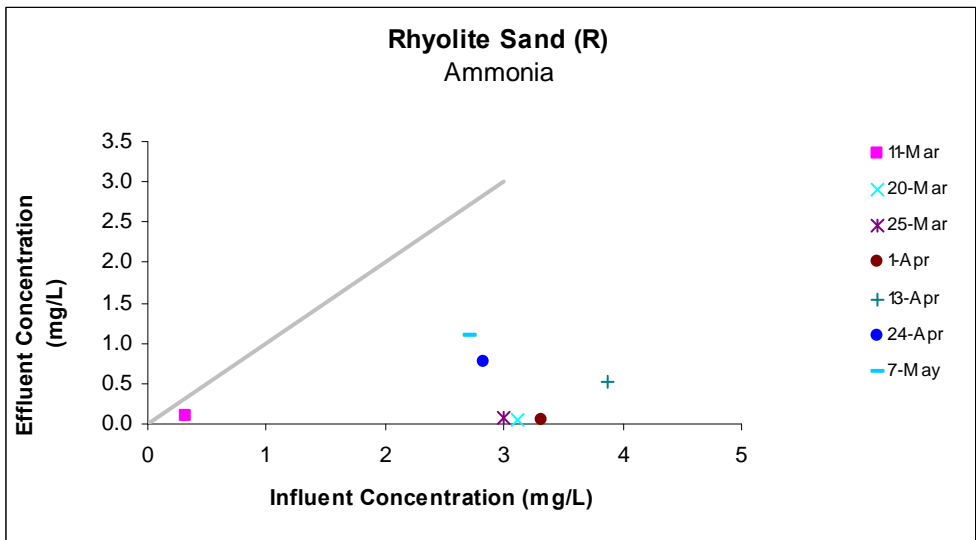
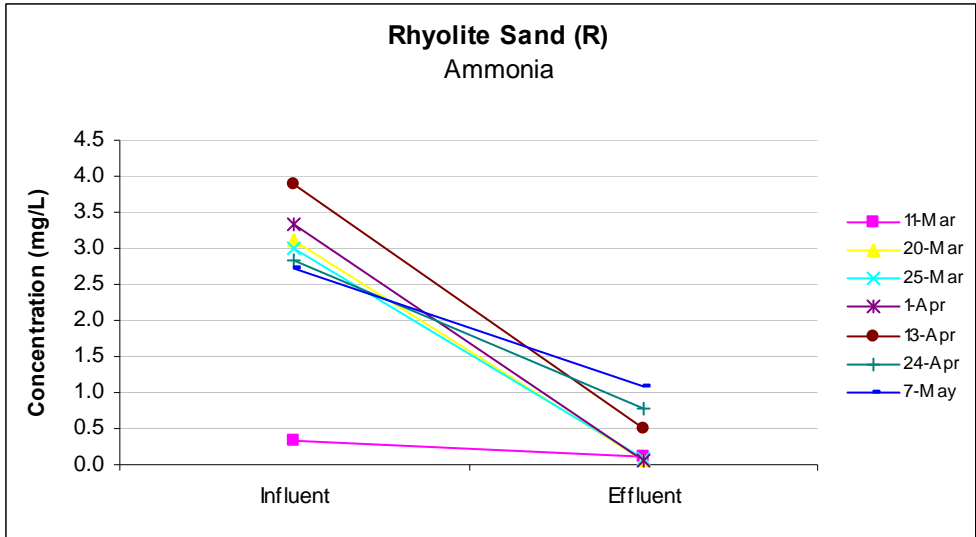
	df	SS	MS	F	Significance F
Regression	1.000	0.025	0.025	0.121	0.742
Residual	5.000	1.034	0.207		
Total	6.000	1.059			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.221	0.480	0.460	0.665	-1.014	1.456	-1.014	1.456
X Variable 1	0.057	0.164	0.348	0.742	-0.364	0.478	-0.364	0.478

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.239	-0.139
2	0.399	-0.349
3	0.392	-0.322
4	0.410	-0.360
5	0.442	0.068
6	0.382	0.398
7	0.376	0.704





# TP

## SUMMARY OUTPUT

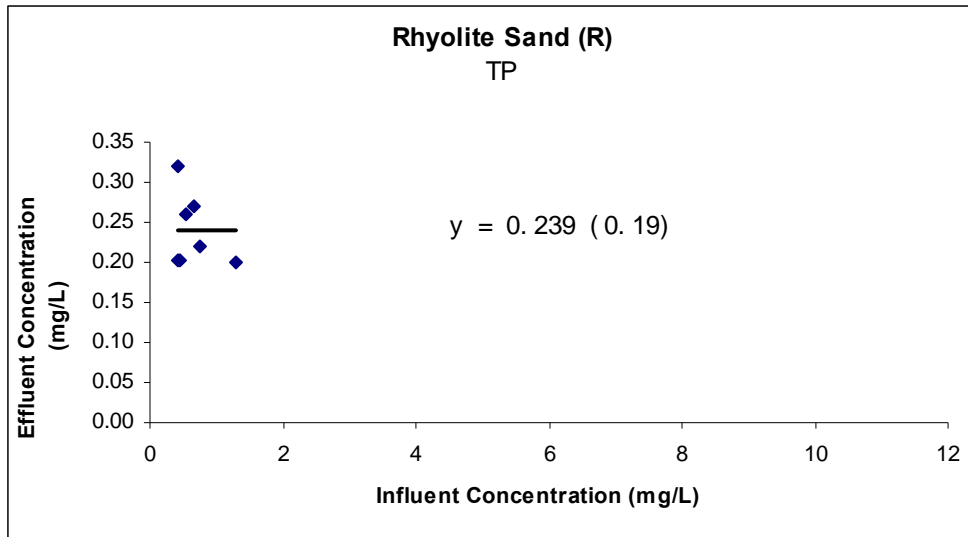
Regression Statistics	
Multiple R	0.377
R Square	0.142
Adjusted R Square	-0.030
Standard Error	0.046
Observations	7.000

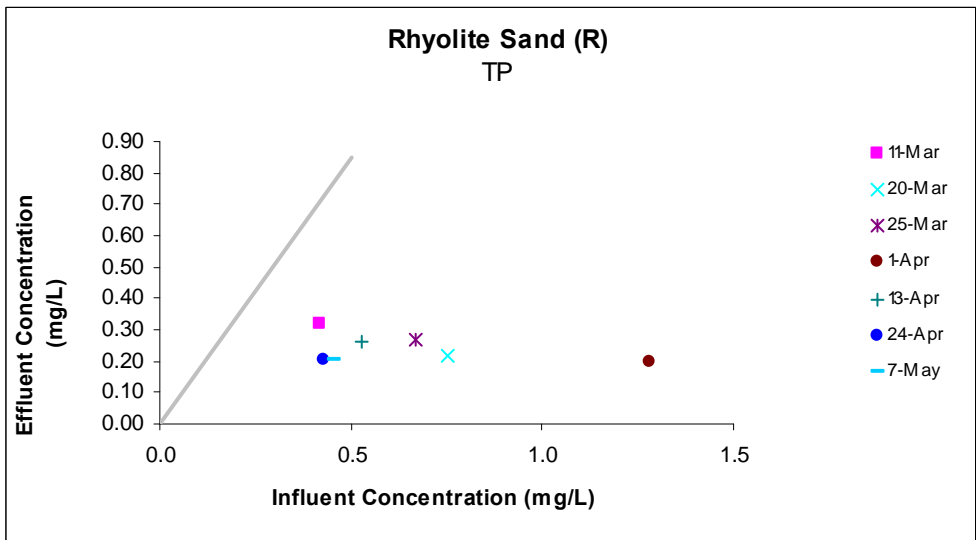
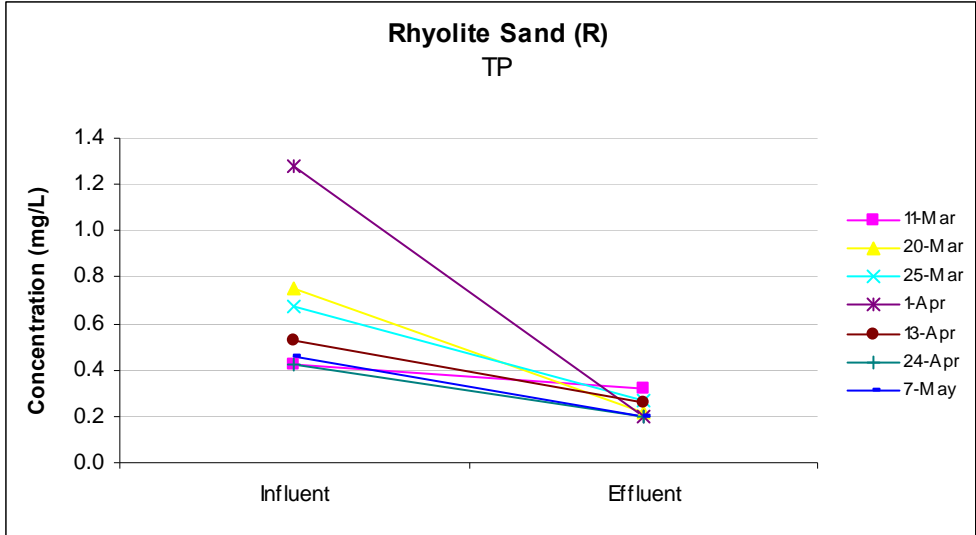
ANOVA						
	df	SS	MS	F	Significance F	
Regression	1.000	0.002	0.002	0.826	0.405	
Residual	5.000	0.011	0.002			
Total	6.000	0.013				

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.276	0.044	6.293	0.001	0.163	0.388	0.163	0.388
X Variable 1	-0.056	0.062	-0.909	0.405	-0.216	0.103	-0.216	0.103

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.252	0.068
2	0.233	-0.013
3	0.238	0.032
4	0.204	-0.004
5	0.246	0.014
6	0.252	-0.049
7	0.250	-0.048





# COD

## SUMMARY OUTPUT

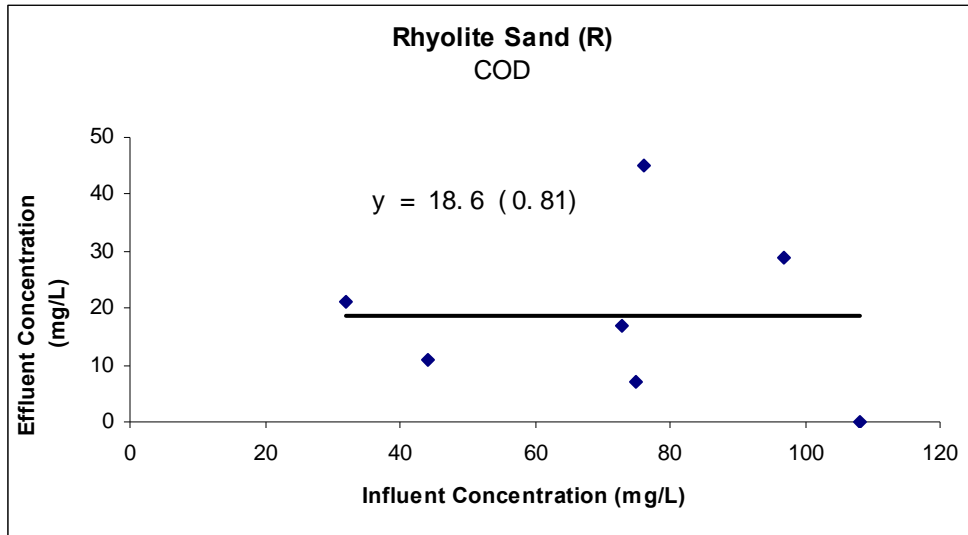
Regression Statistics	
Multiple R	0.092
R Square	0.009
Adjusted R Square	-0.190
Standard Error	16.372
Observations	7.000

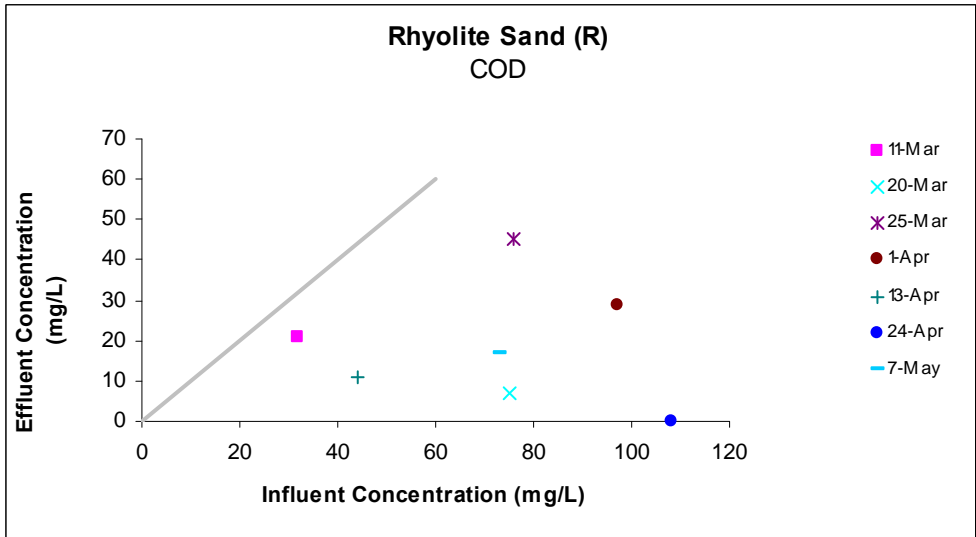
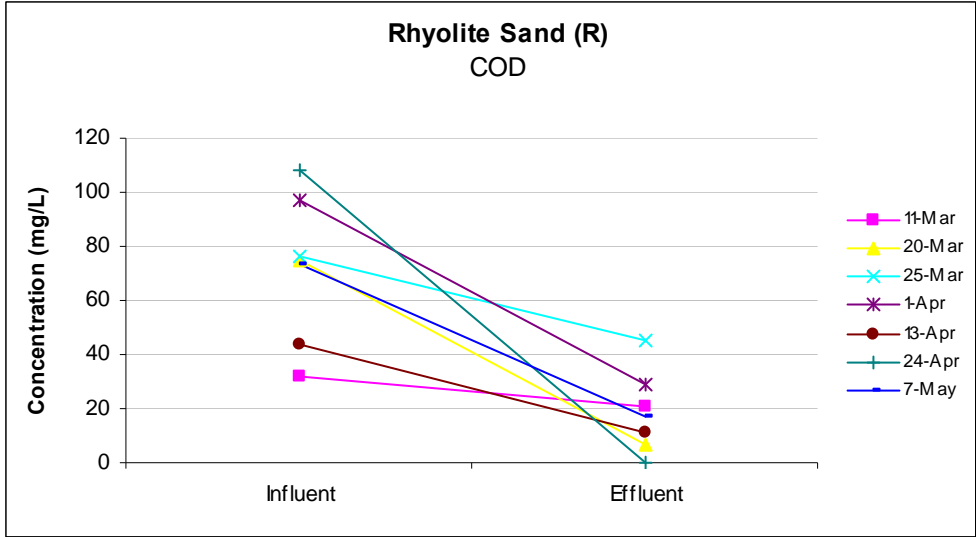
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	11.541	11.541	0.043	0.844
Residual	5.000	1340.173	268.035		
Total	6.000	1351.714			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	22.296	18.984	1.174	0.293	-26.505	71.096	-26.505	71.096
X Variable 1	-0.052	0.249	-0.208	0.844	-0.691	0.588	-0.691	0.588

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	20.644	0.356
2	18.424	-11.424
3	18.372	26.628
4	17.288	11.712
5	20.024	-9.024
6	16.720	-16.720
7	18.527	-1.527







# pH

## SUMMARY OUTPUT

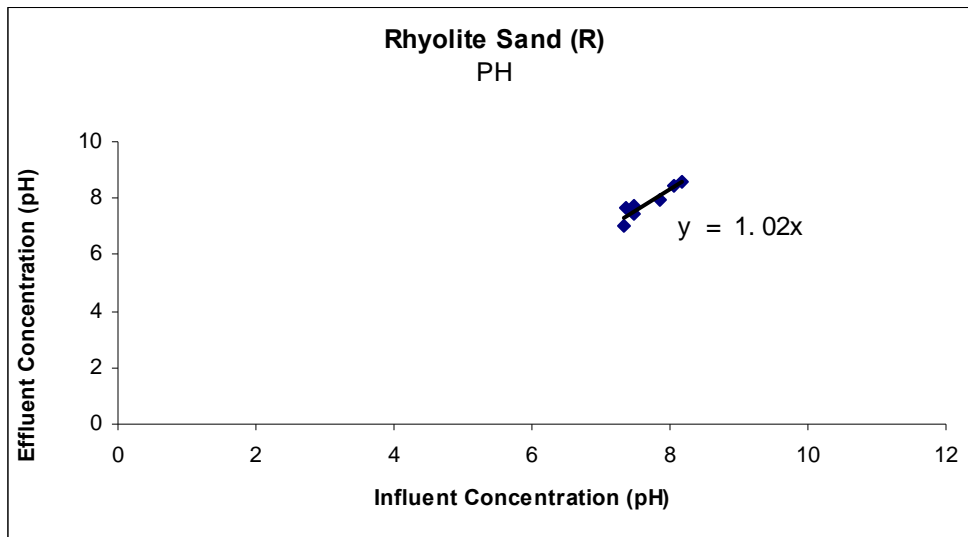
Regression Statistics	
Multiple R	1.000
R Square	0.999
Adjusted R Square	0.832
Standard Error	0.251
Observations	7.000

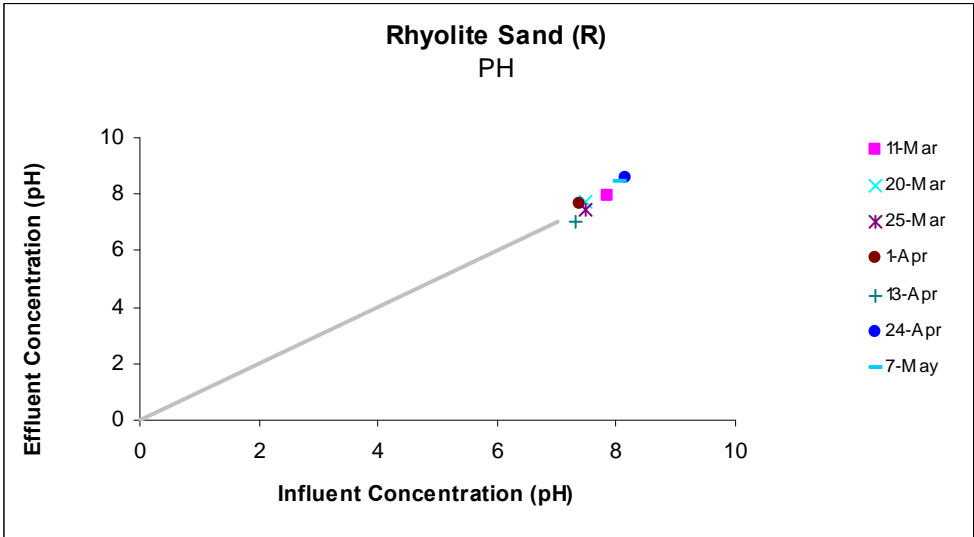
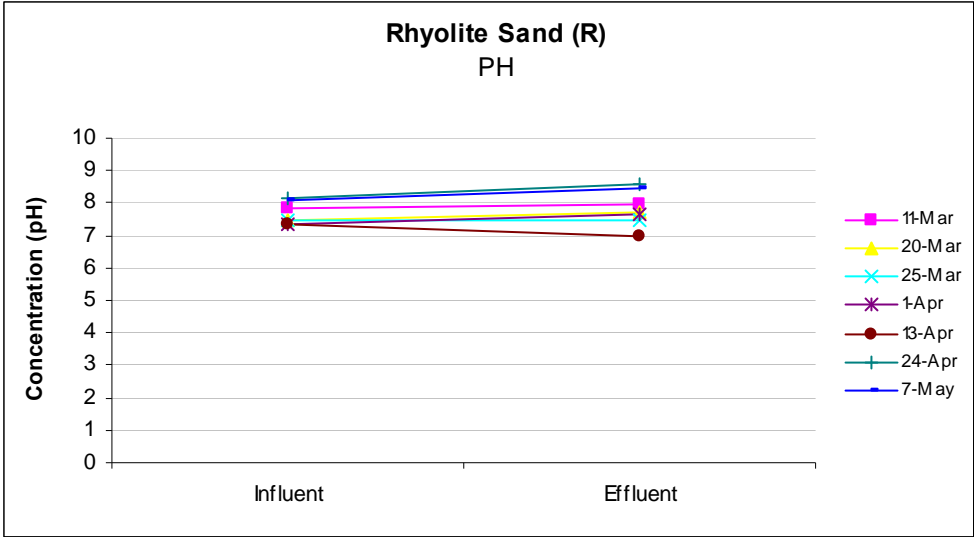
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	430.308	430.308	6824.598	0.000
Residual	6.000	0.378	0.063		
Total	7.000	430.686			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	1.020	0.012	82.611	0.000	0.990	1.051	0.990	1.051

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	8.020	-0.060
2	7.632	0.078
3	7.622	-0.152
4	7.520	0.120
5	7.469	-0.479
6	8.336	0.244
7	8.234	0.206





# Conductivity

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.466
R Square	0.217
Adjusted R Square	0.060
Standard Error	53.679
Observations	7.000

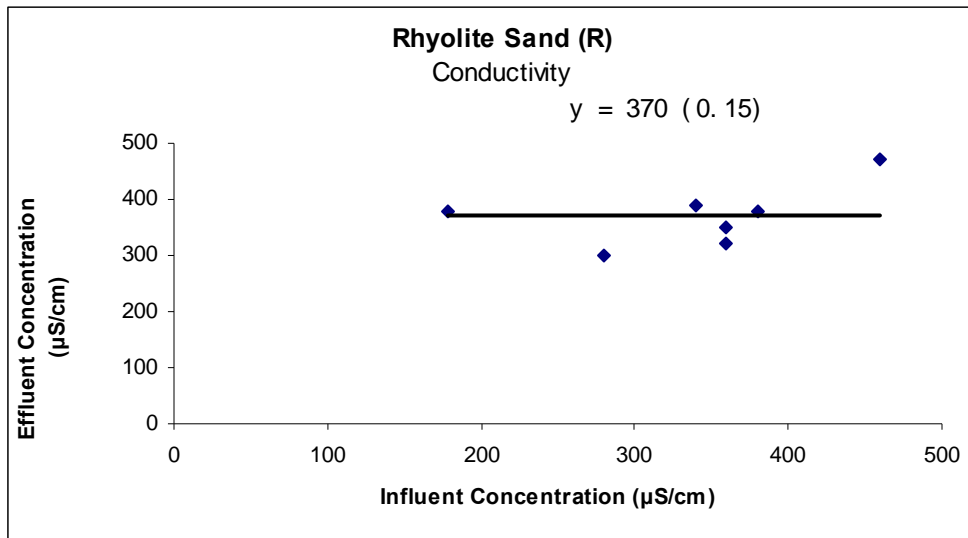
## ANOVA

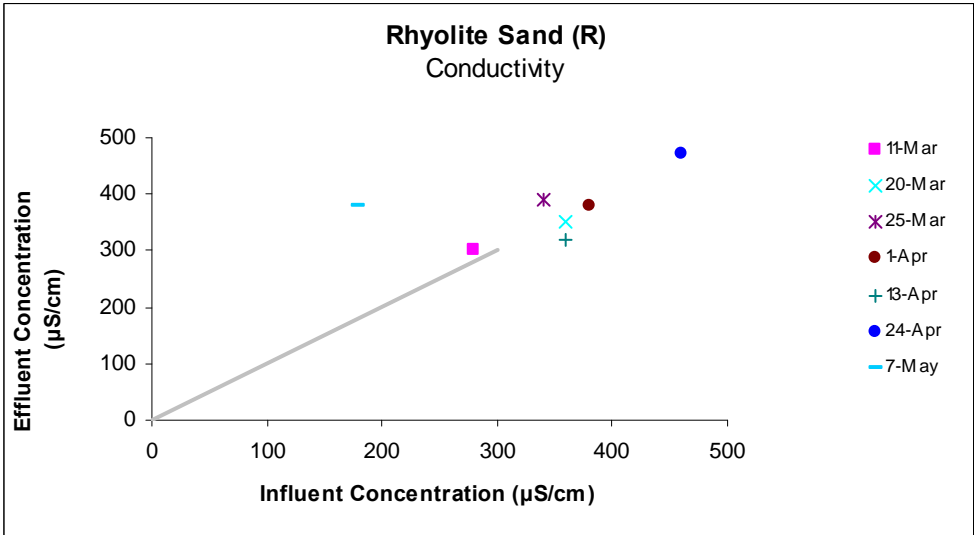
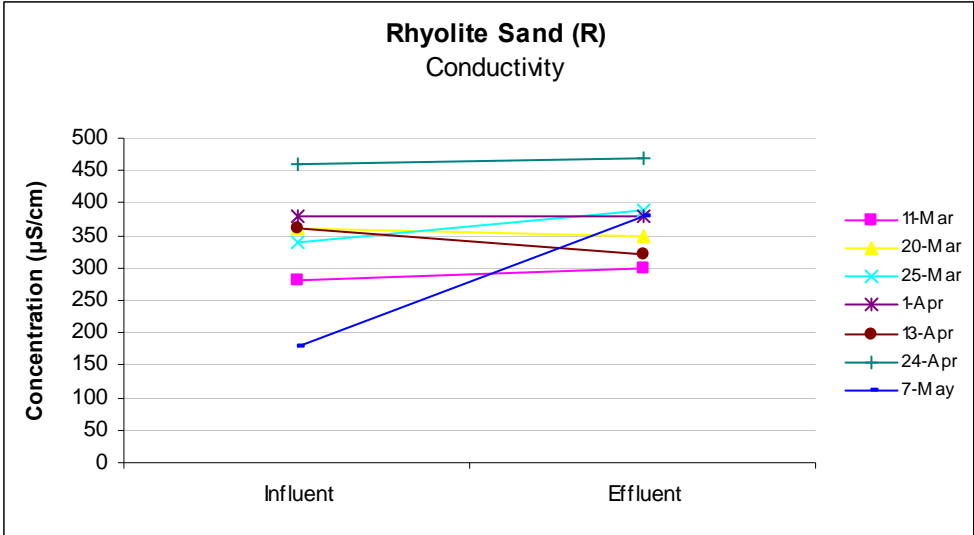
	df	SS	MS	F	Significance F
Regression	1.000	3992.566	3992.566	1.386	0.292
Residual	5.000	14407.434	2881.487		
Total	6.000	18400.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	270.894	86.522	3.132	0.026	48.582	493.405	48.582	493.405
X Variable 1	0.294	0.250	1.177	0.292	-0.348	0.935	-0.348	0.935

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	353.254	-53.254
2	376.757	-26.757
3	370.881	19.119
4	382.633	-2.633
5	376.757	-56.757
6	406.136	63.864
7	323.582	56.418





# ORP

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.999
R Square	0.998
Adjusted R Square	0.832
Standard Error	8.086
Observations	7.000

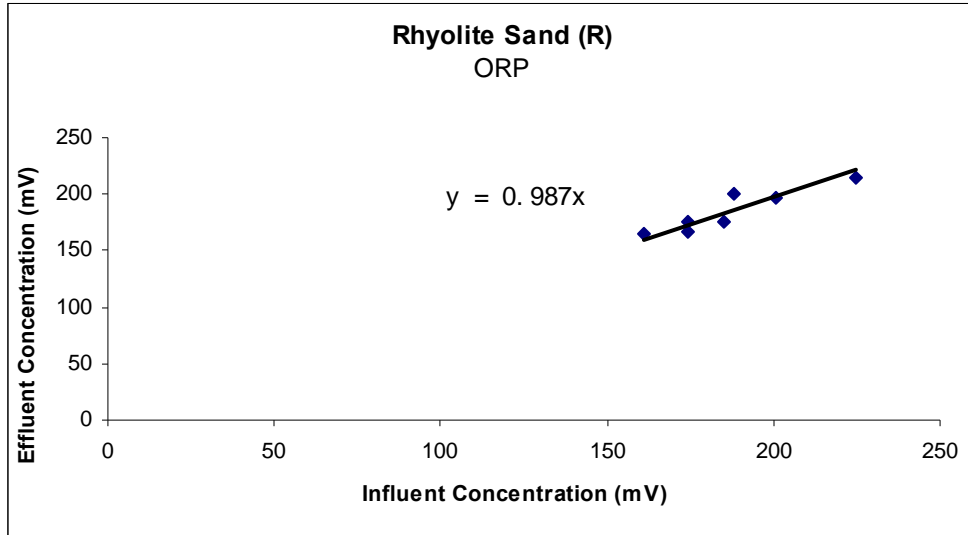
## ANOVA

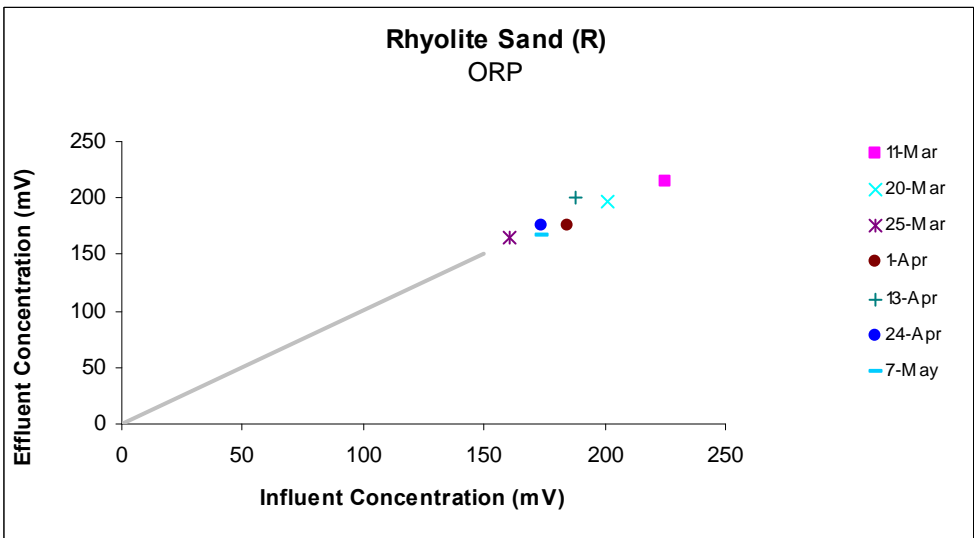
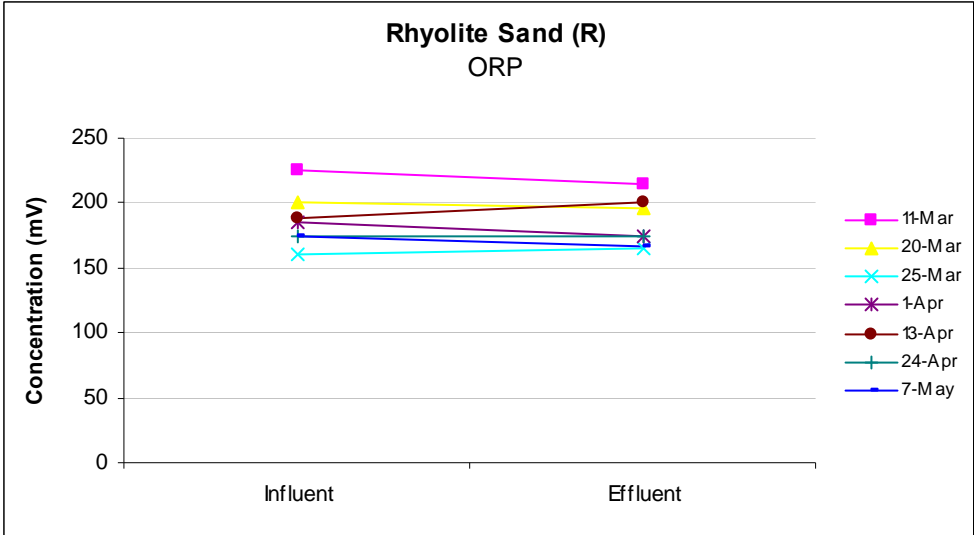
	df	SS	MS	F	Significance F
Regression	1.000	240612.725	240612.725	3680.267	0.000
Residual	6.000	392.275	65.379		
Total	7.000	241005.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.987	0.016	60.665	0.000	0.947	1.027	0.947	1.027

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	222.041	-7.041
2	198.357	-2.357
3	158.883	6.117
4	182.567	-7.567
5	185.528	14.472
6	171.712	3.288
7	171.712	-4.712





# Color

## SUMMARY OUTPUT

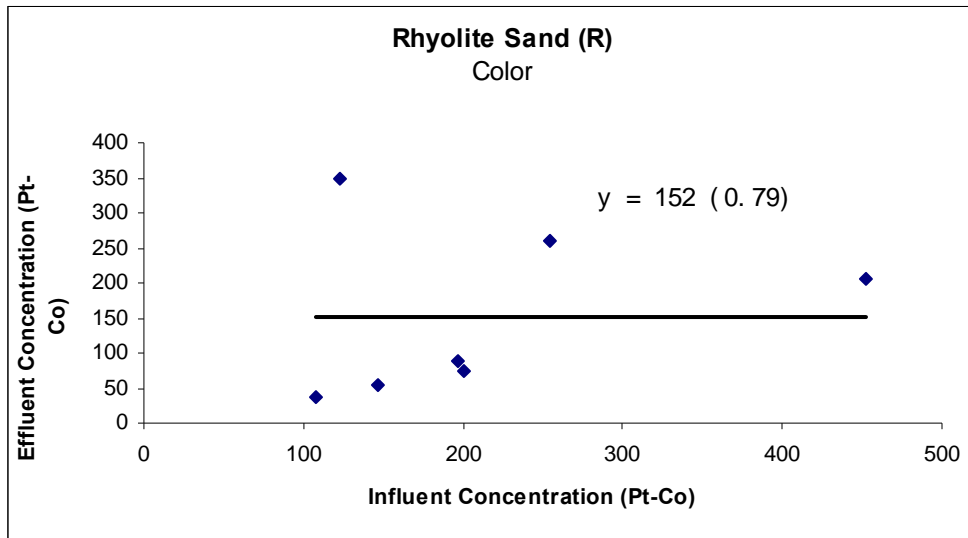
Regression Statistics	
Multiple R	0.238
R Square	0.057
Adjusted R Square	-0.132
Standard Error	127.732
Observations	7.000

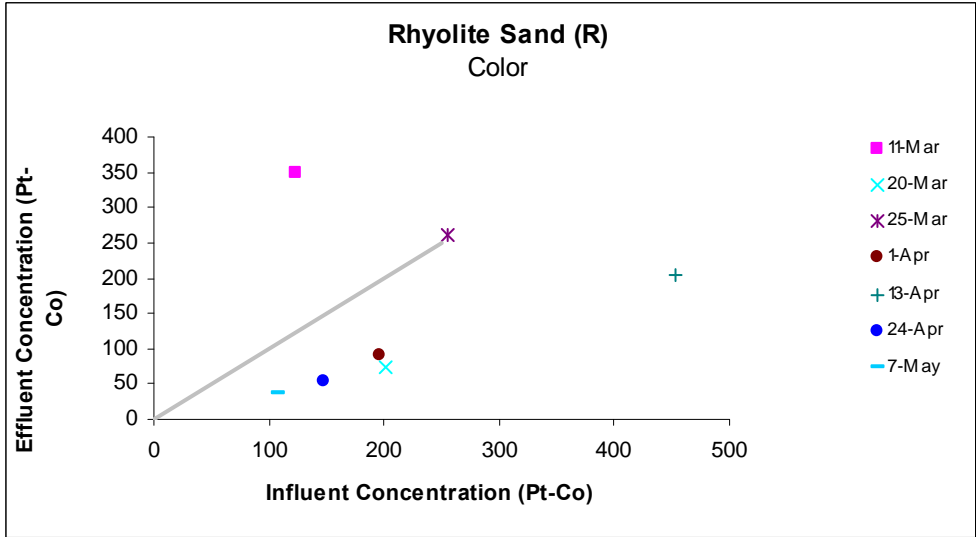
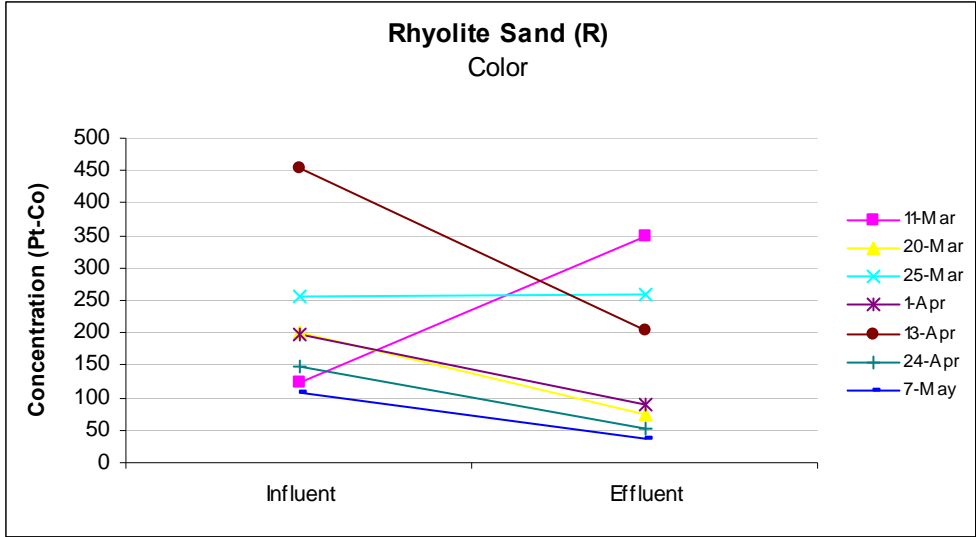
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	4888.023	4888.023	0.300	0.608
Residual	5.000	81577.891	16315.538		
Total	6.000	86465.714			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	101.055	105.548	0.957	0.382	-170.264	372.374	-170.264	372.374
X Variable 1	0.242	0.443	0.547	0.608	-0.896	1.380	-0.896	1.380

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	130.861	218.139
2	149.763	-75.763
3	162.849	97.151
4	148.794	-58.794
5	210.830	-5.830
6	136.677	-83.677
7	127.226	-91.226







# Fluoride

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.921
R Square	0.849
Adjusted R Square	0.819
Standard Error	0.361
Observations	7.000

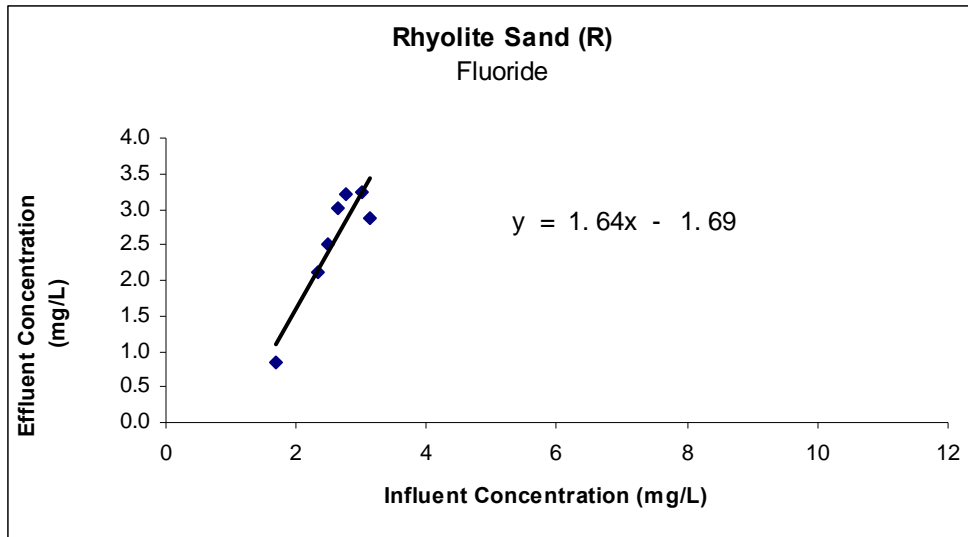
## ANOVA

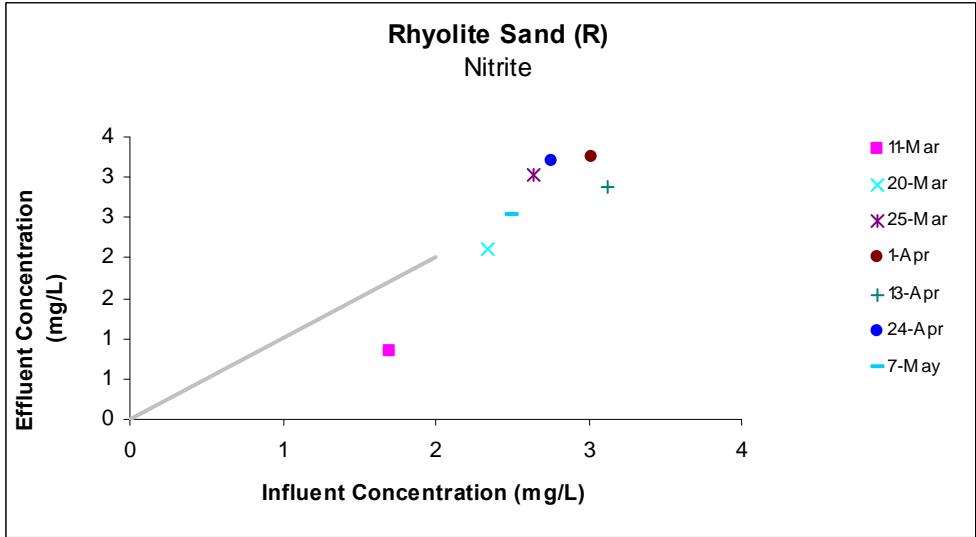
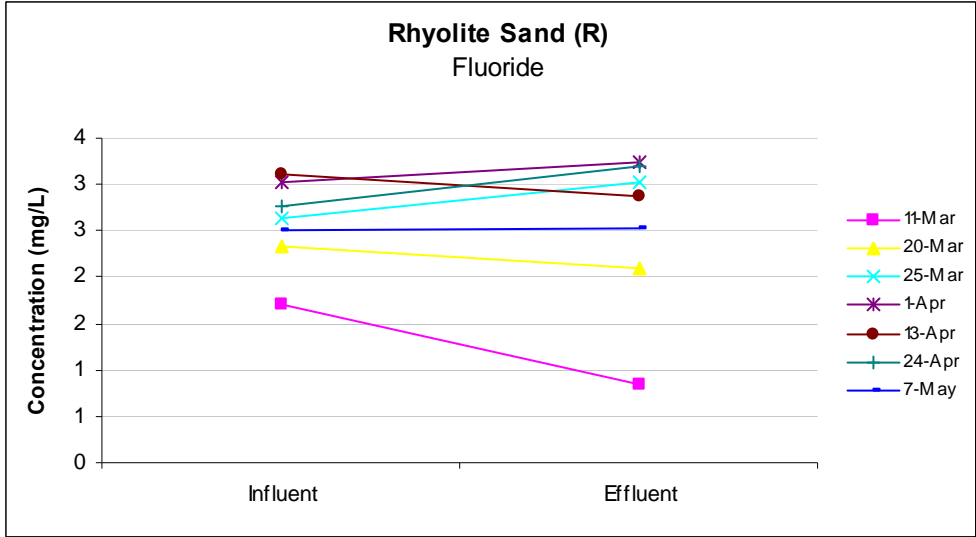
	df	SS	MS	F	Significance F
Regression	1.000	3.669	3.669	28.128	0.003
Residual	5.000	0.652	0.130		
Total	6.000	4.322			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-1.699	0.812	-2.093	0.091	-3.785	0.387	-3.785	0.387
X Variable 1	1.643	0.310	5.304	0.003	0.847	2.439	0.847	2.439

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.094	-0.244
2	2.145	-0.045
3	2.638	0.382
4	3.262	-0.022
5	3.427	-0.547
6	2.835	0.365
7	2.408	0.112





# Sulfate

## SUMMARY OUTPUT

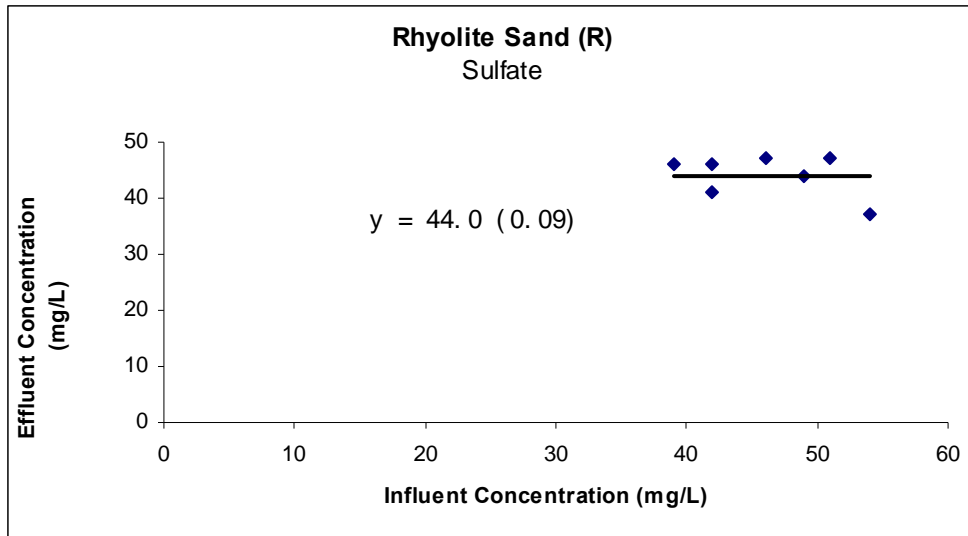
Regression Statistics	
Multiple R	0.416
R Square	0.173
Adjusted R Square	0.008
Standard Error	3.727
Observations	7.000

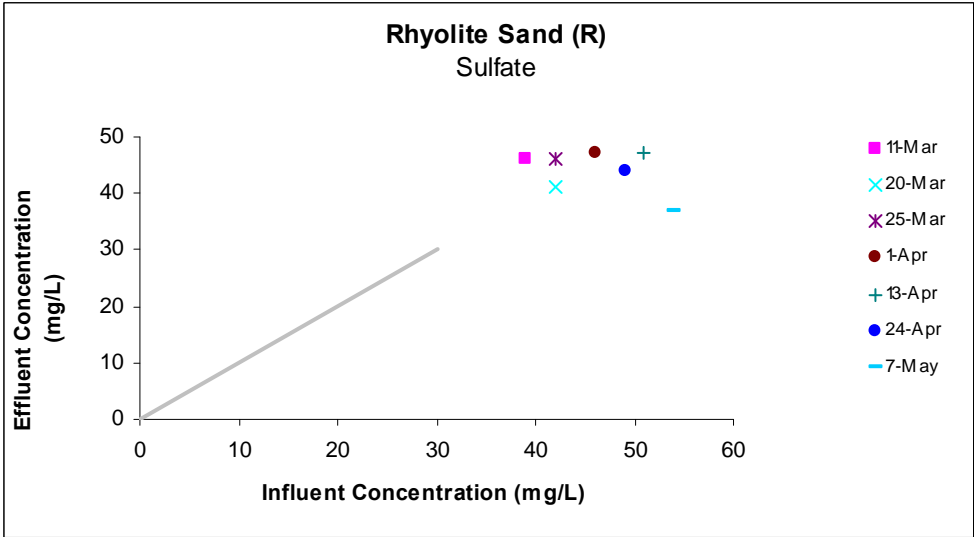
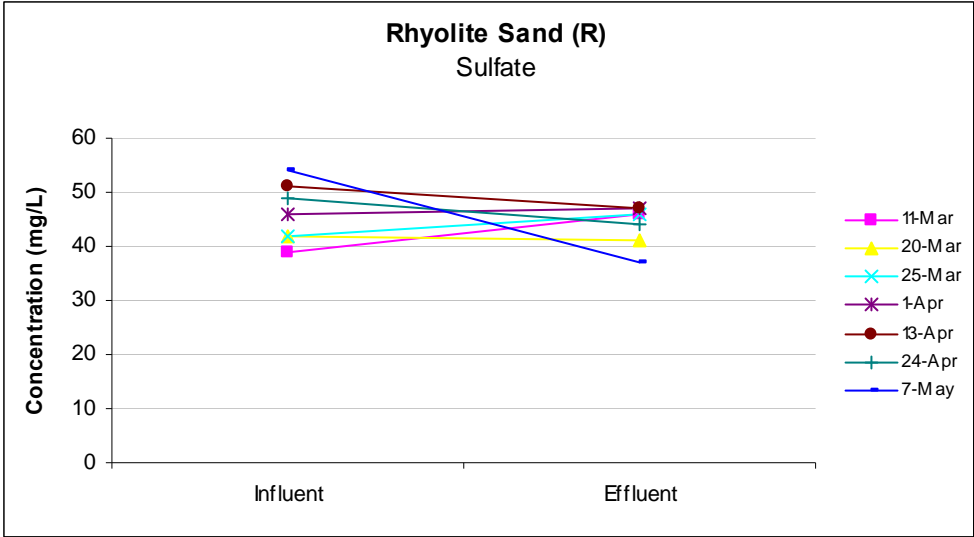
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	14.542	14.542	1.047	0.353
Residual	5.000	69.458	13.892		
Total	6.000	84.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	57.157	12.937	4.418	0.007	23.903	90.412	23.903	90.412
X Variable 1	-0.285	0.279	-1.023	0.353	-1.002	0.431	-1.002	0.431

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	46.037	-0.037
2	45.181	-4.181
3	45.181	0.819
4	44.041	2.959
5	42.615	4.385
6	43.185	0.815
7	41.760	-4.760





# Phosphate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.066
R Square	0.004
Adjusted R Square	-0.195
Standard Error	0.228
Observations	7.000

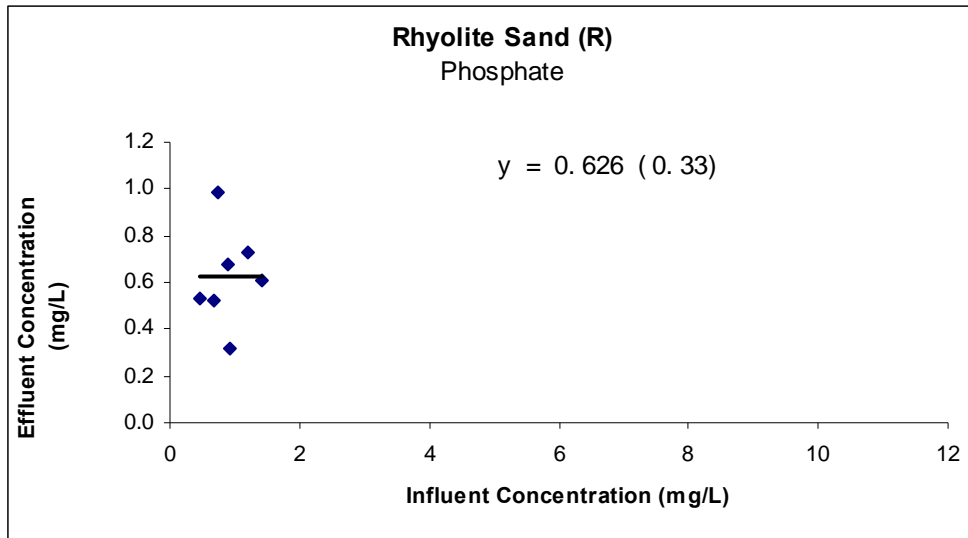
## ANOVA

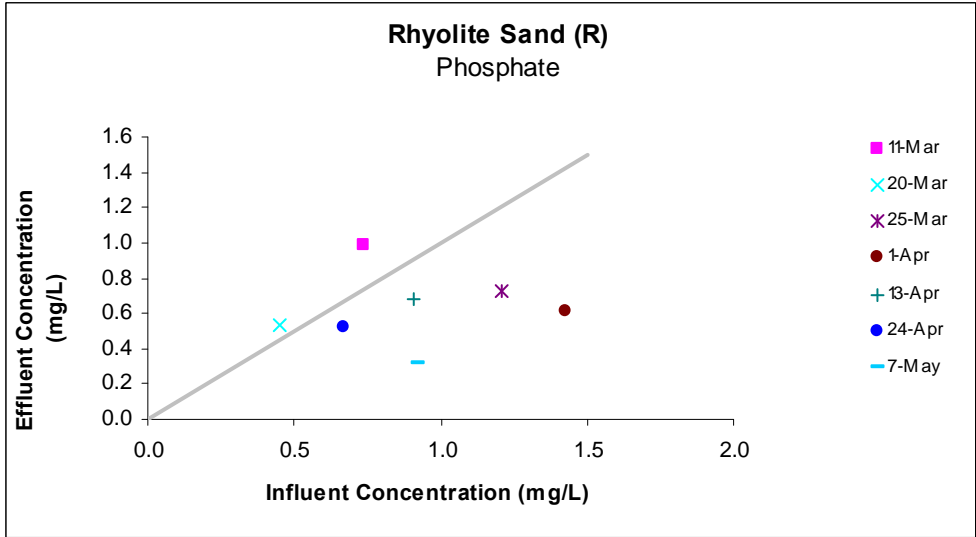
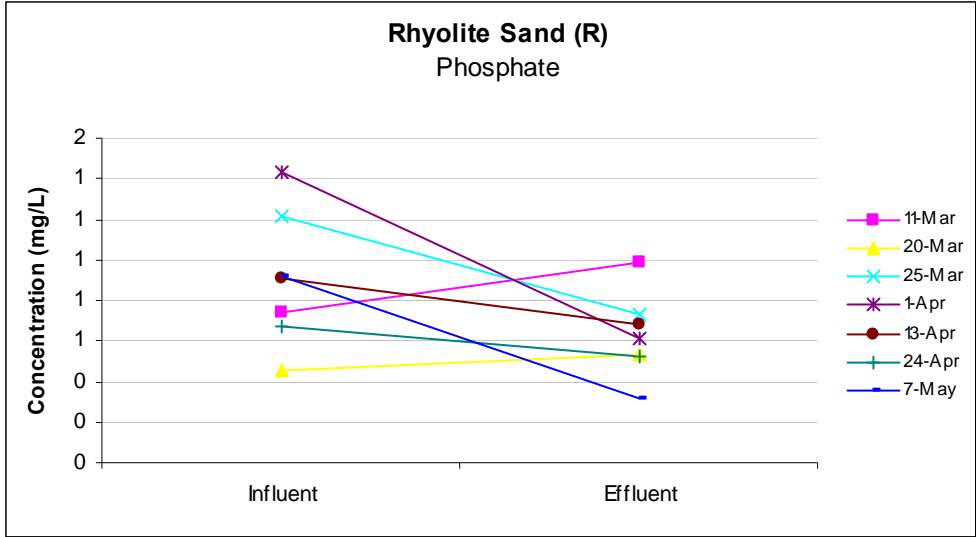
	df	SS	MS	F	Significance F
Regression	1.000	0.001	0.001	0.022	0.887
Residual	5.000	0.259	0.052		
Total	6.000	0.261			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.588	0.268	2.193	0.080	-0.101	1.277	-0.101	1.277
X Variable 1	0.042	0.281	0.149	0.887	-0.680	0.763	-0.680	0.763

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.619	0.371
2	0.607	-0.077
3	0.638	0.092
4	0.648	-0.038
5	0.626	0.054
6	0.616	-0.096
7	0.626	-0.306





# TN

## SUMMARY OUTPUT

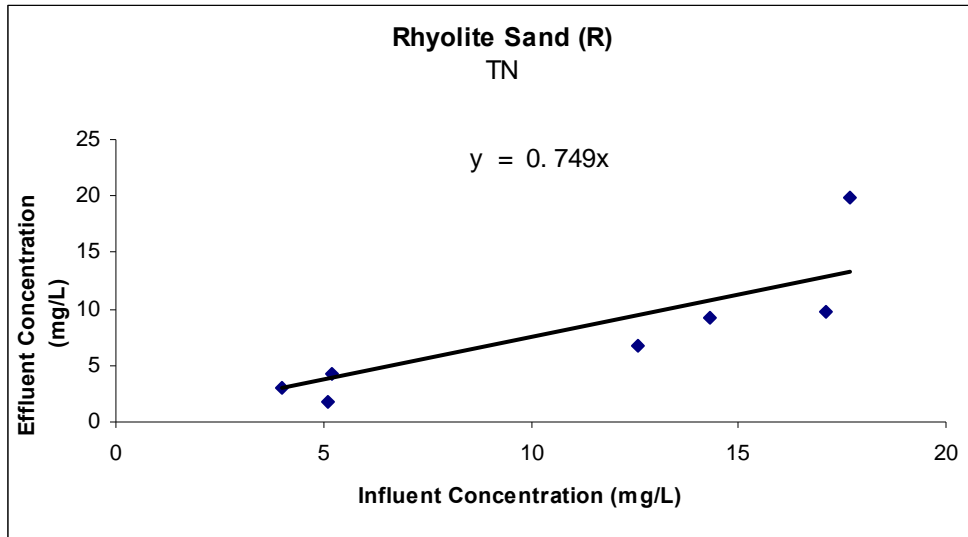
Regression Statistics	
Multiple R	0.948
R Square	0.898
Adjusted R Square	0.731
Standard Error	3.320
Observations	7.000

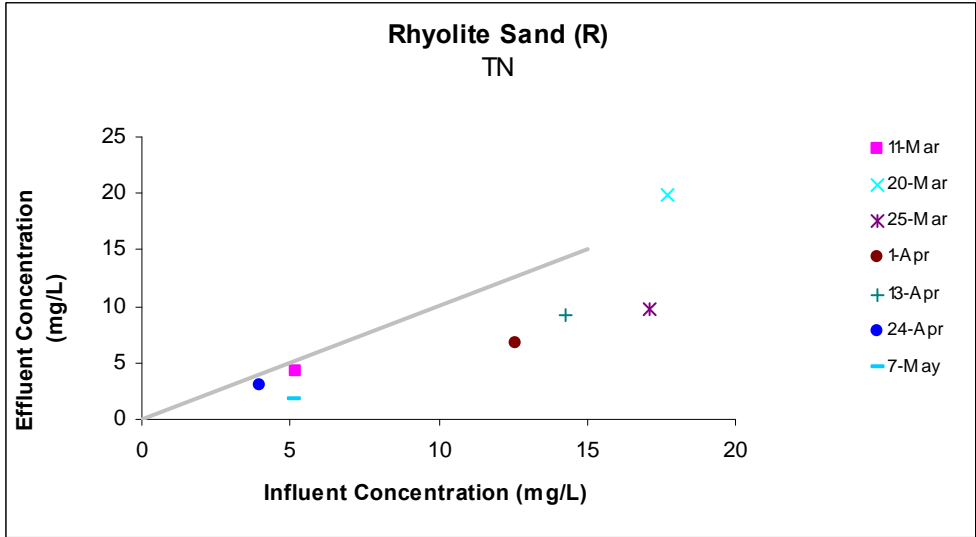
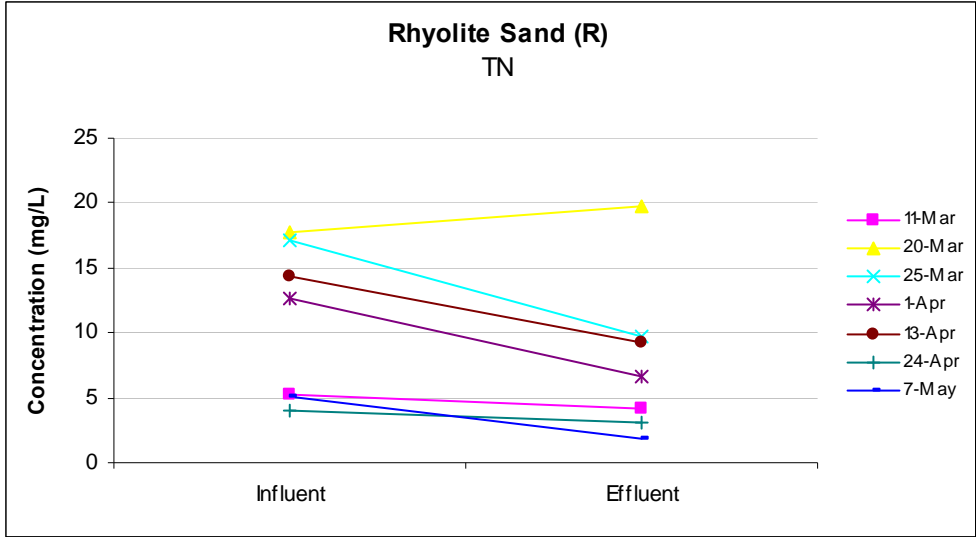
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	581.867	581.867	52.790	0.001
Residual	6.000	66.133	11.022		
Total	7.000	648.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.749	0.103	7.266	0.000	0.497	1.001	0.497	1.001

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	3.893	0.307
2	13.252	6.548
3	12.803	-3.103
4	9.434	-2.734
5	10.707	-1.407
6	2.995	0.105
7	3.818	-2.018







# UV 254

## SUMMARY OUTPUT

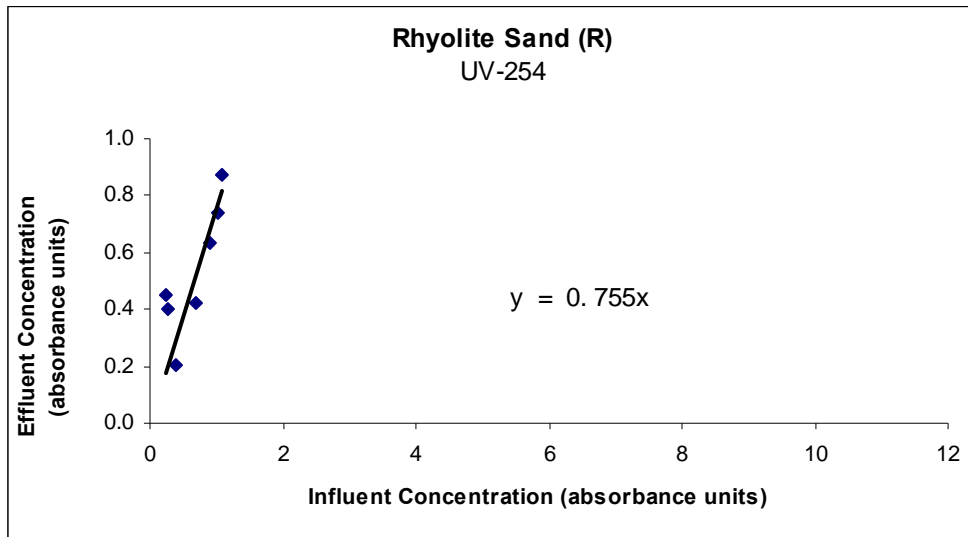
Regression Statistics	
Multiple R	0.970
R Square	0.940
Adjusted R Square	0.774
Standard Error	0.152
Observations	7.000

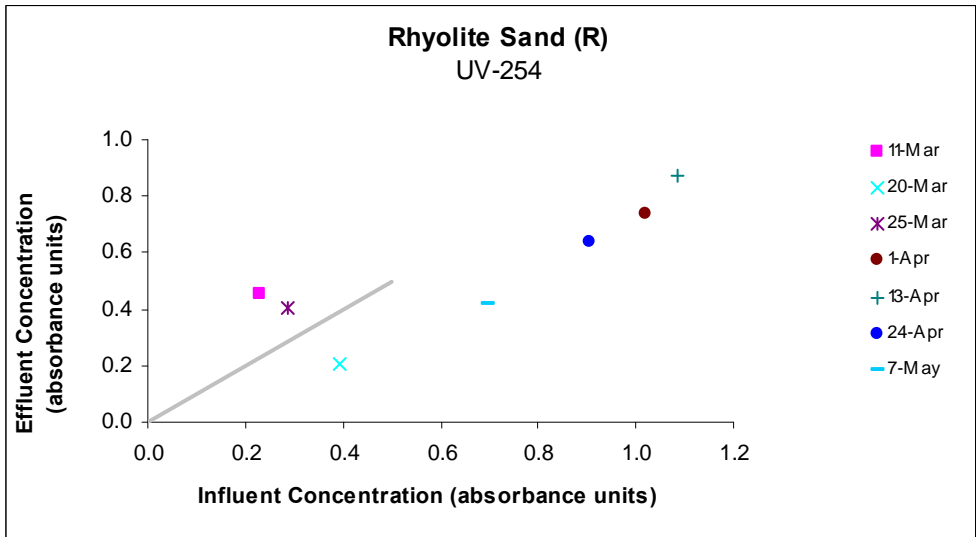
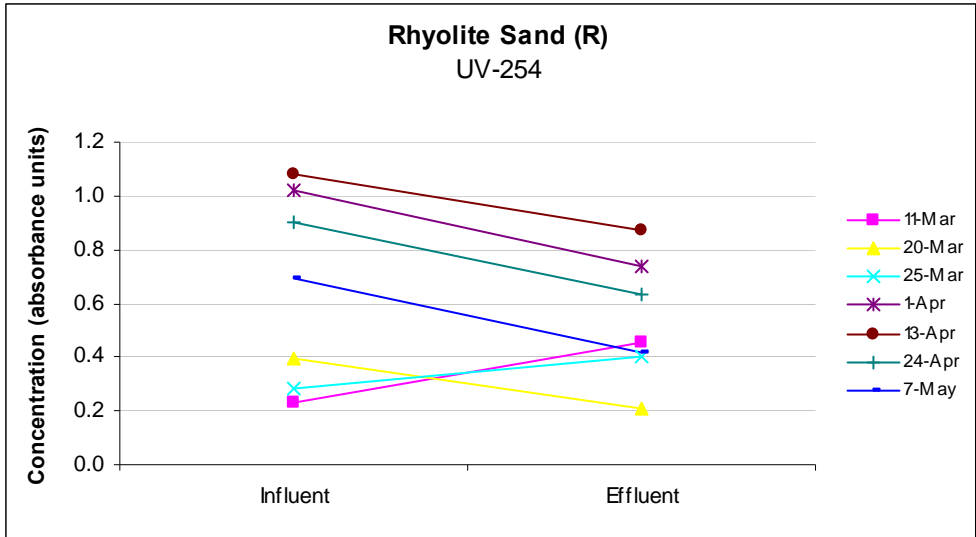
ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1.000	2.169	2.169	94.471	0.000
Residual	6.000	0.138	0.023		
Total	7.000	2.306			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.755	0.078	9.720	0.000	0.565	0.945	0.565	0.945

## RESIDUAL OUTPUT

<i>Observation</i>	<i>Predicted Y</i>	<i>Residuals</i>
1	0.174	0.278
2	0.298	-0.091
3	0.215	0.187
4	0.770	-0.029
5	0.818	0.057
6	0.682	-0.045
7	0.525	-0.104





# Chloride

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.433
R Square	0.188
Adjusted R Square	0.025
Standard Error	12.807
Observations	7.000

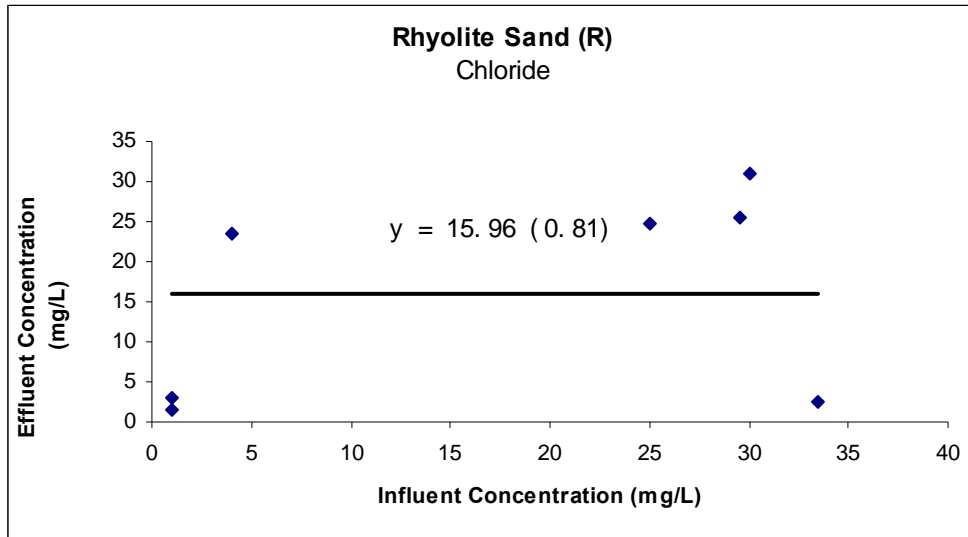
## ANOVA

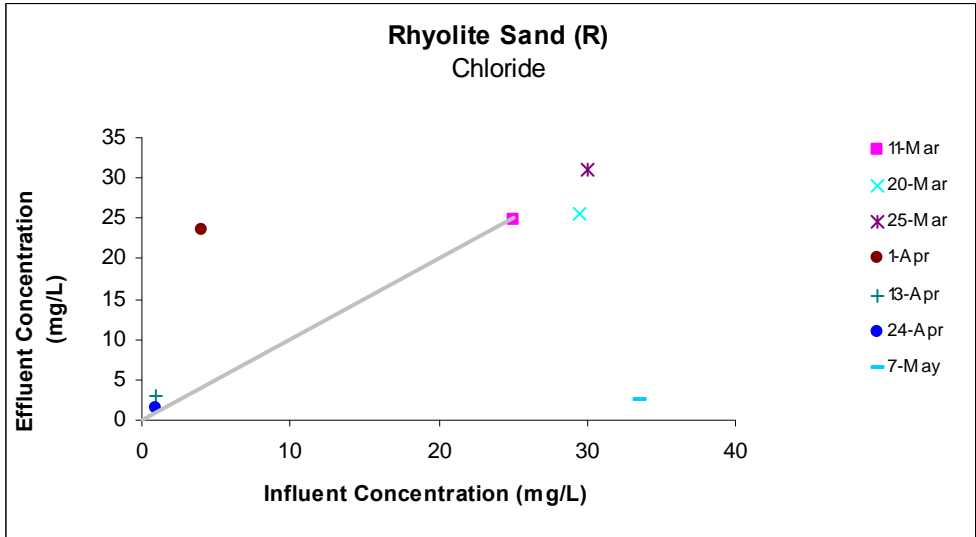
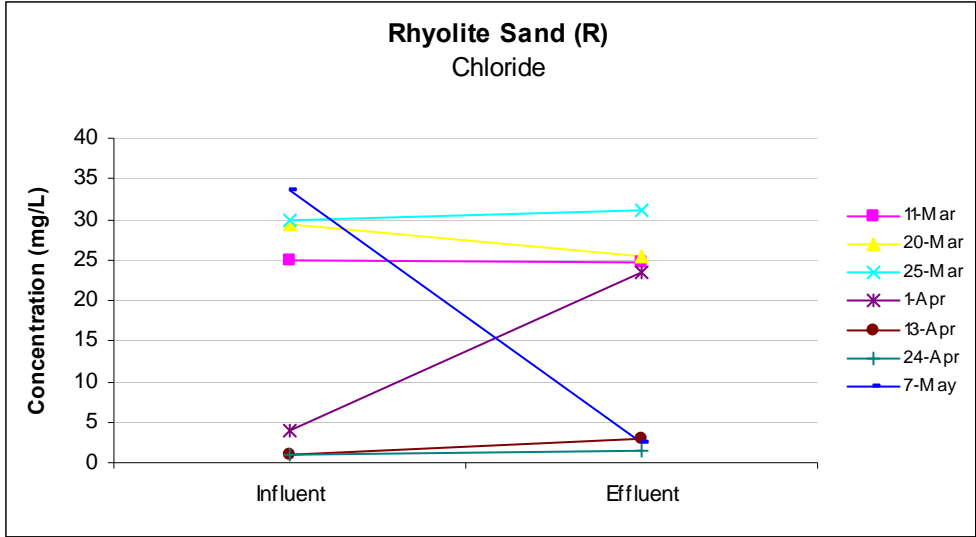
	df	SS	MS	F	Significance F
Regression	1.000	189.474	189.474	1.155	0.332
Residual	5.000	820.080	164.016		
Total	6.000	1009.554			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	9.301	7.866	1.182	0.290	-10.919	29.520	-10.919	29.520
X Variable 1	0.376	0.350	1.075	0.332	-0.524	1.276	-0.524	1.276

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	18.705	6.045
2	20.398	5.102
3	20.586	10.414
4	10.805	12.695
5	9.677	-6.677
6	9.677	-8.177
7	21.903	-19.403





# Hardness

## SUMMARY OUTPUT

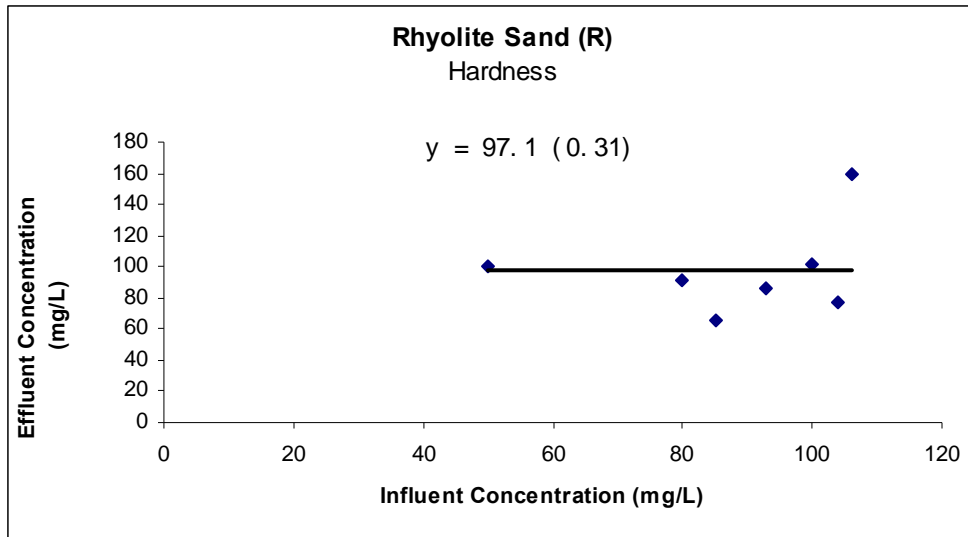
Regression Statistics	
Multiple R	0.236
R Square	0.056
Adjusted R Square	-0.133
Standard Error	32.107
Observations	7.000

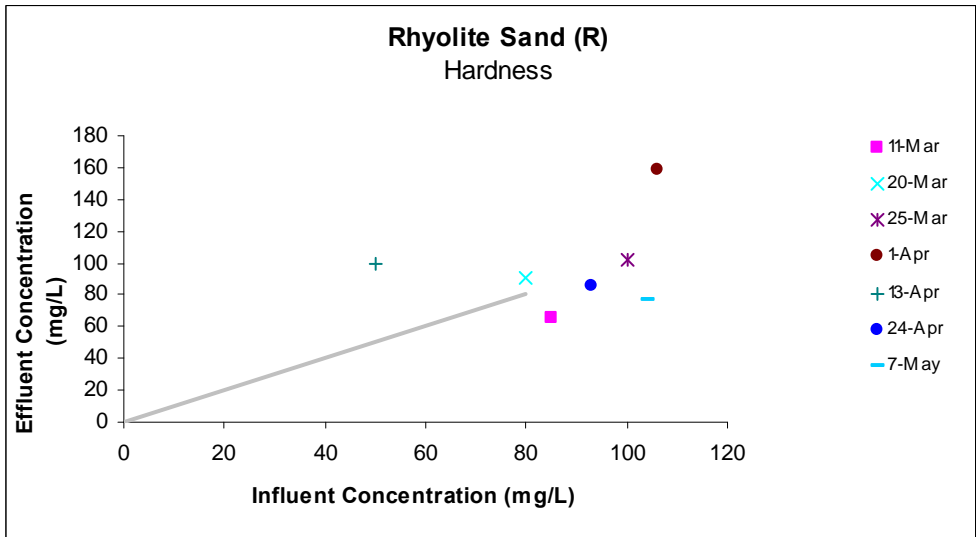
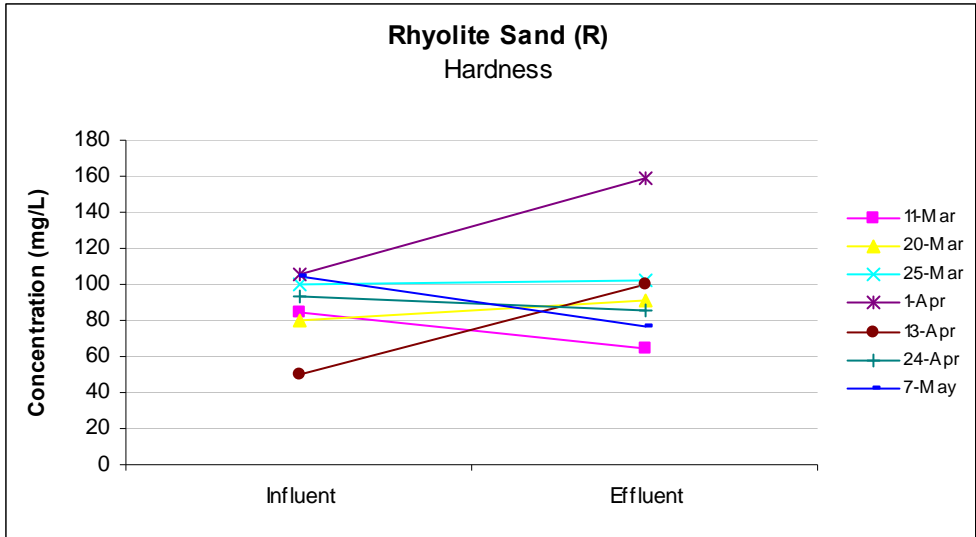
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	304.616	304.616	0.296	0.610
Residual	5.000	5154.241	1030.848		
Total	6.000	5458.857			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	64.769	60.778	1.066	0.335	-91.466	221.004	-91.466	221.004
X Variable 1	0.367	0.675	0.544	0.610	-1.367	2.101	-1.367	2.101

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	95.938	-30.938
2	94.105	-3.105
3	101.438	0.562
4	103.639	55.361
5	83.104	16.896
6	98.872	-12.872
7	102.905	-25.905





# NO2+NO3

SUMMARY OUTPUT

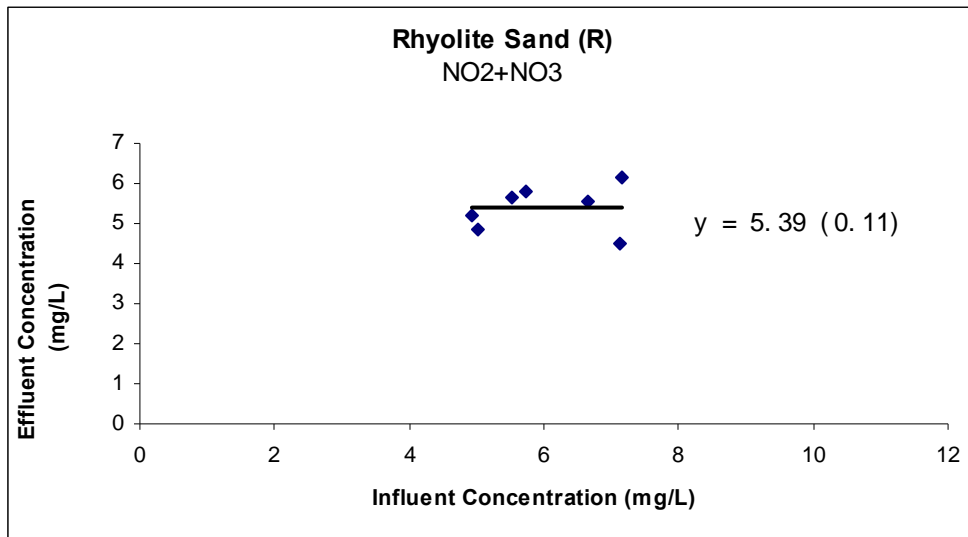
Regression Statistics	
Multiple R	0.150
R Square	0.023
Adjusted R Square	-0.173
Standard Error	0.614
Observations	7.000

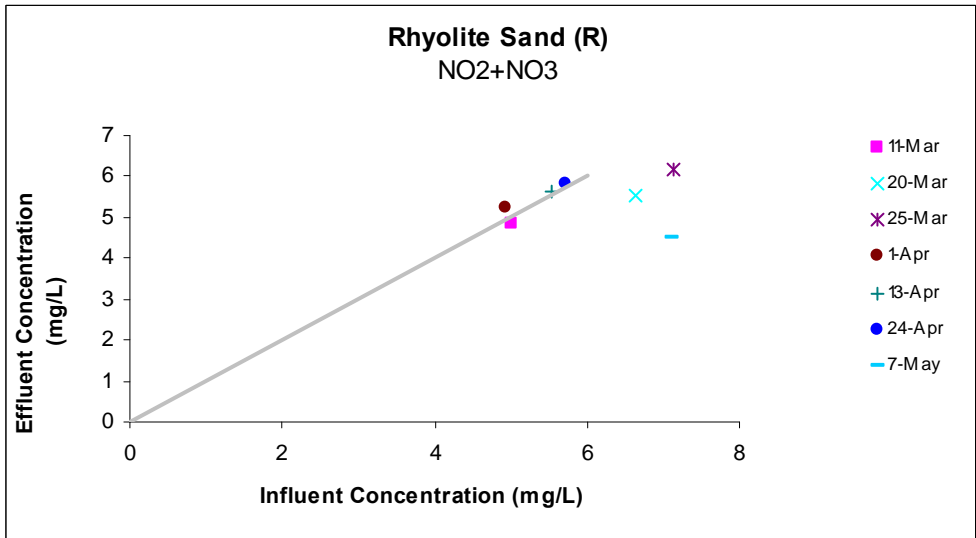
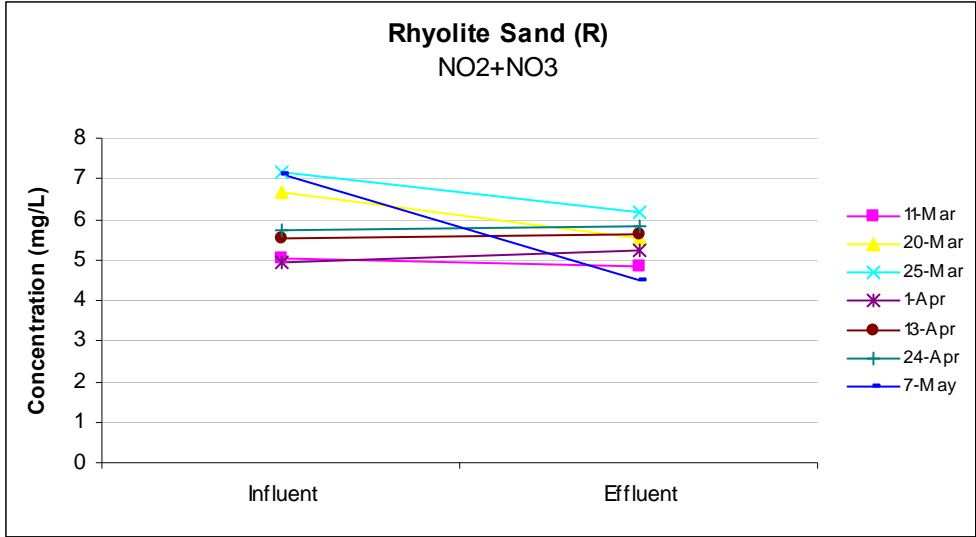
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.044	0.044	0.115	0.748
Residual	5.000	1.888	0.378		
Total	6.000	1.931			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	4.844	1.612	3.005	0.030	0.700	8.989	0.700	8.989
X Variable 1	0.090	0.265	0.340	0.748	-0.592	0.772	-0.592	0.772

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	5.297	-0.448
2	5.443	0.085
3	5.488	0.675
4	5.289	-0.070
5	5.342	0.284
6	5.360	0.444
7	5.485	-0.970







# Site Filter Sand

## Nitrite

### SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.976
R Square	0.952
Adjusted R Square	0.619
Standard Error	0.030
Observations	4.000

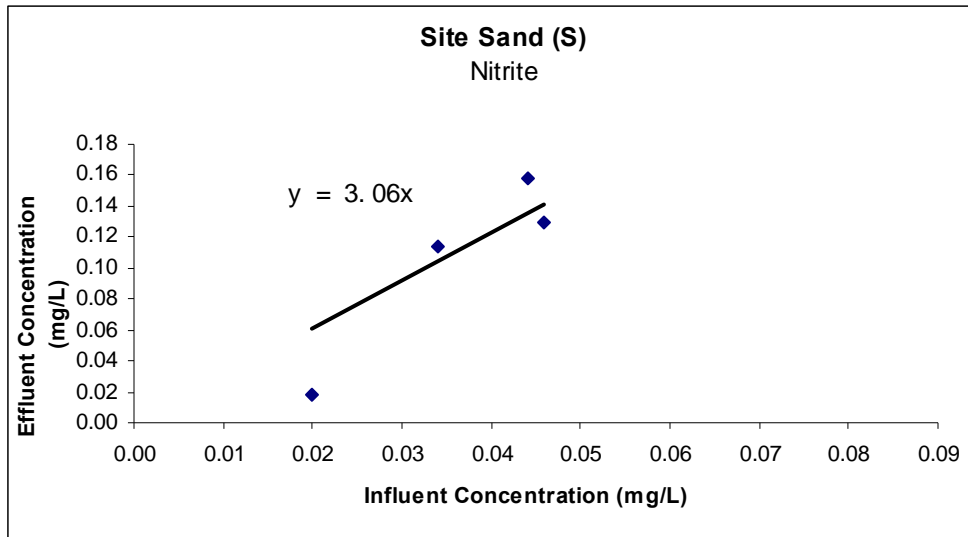
### ANOVA

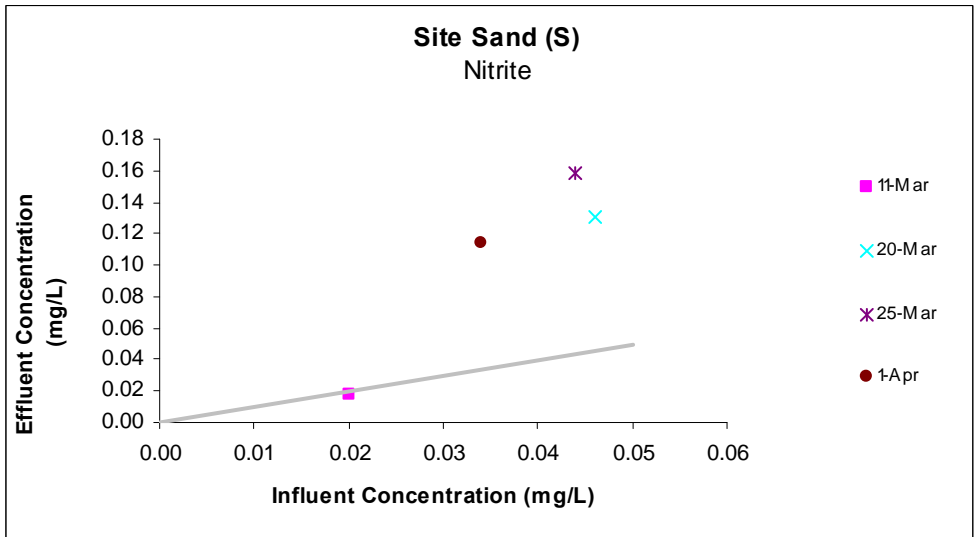
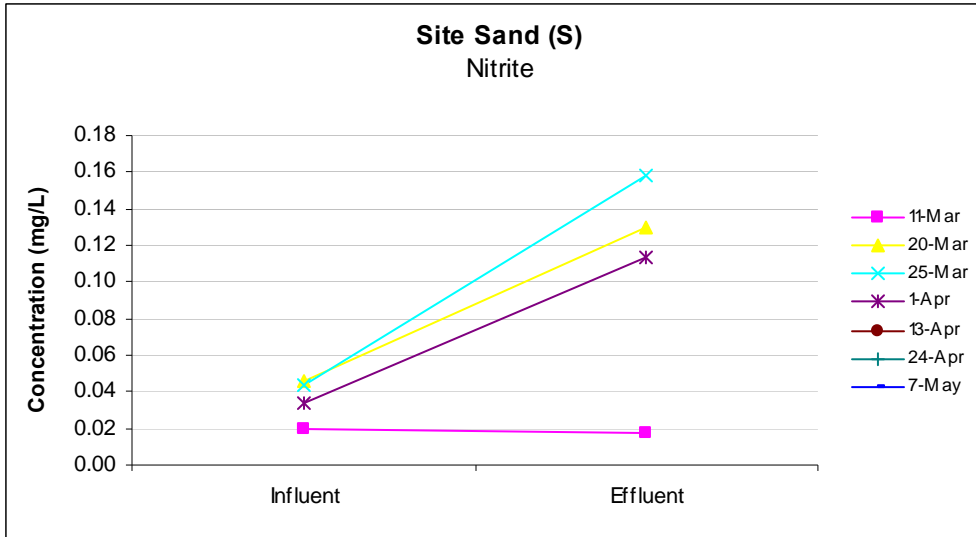
	df	SS	MS	F	Significance F
Regression	1.000	0.053	0.053	60.022	0.016
Residual	3.000	0.003	0.001		
Total	4.000	0.055			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	3.061	0.395	7.747	0.004	1.804	4.319	1.804	4.319

### RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.061	-0.043
2	0.141	-0.011
3	0.135	0.023
4	0.104	0.010





# Nitrate

## SUMMARY OUTPUT

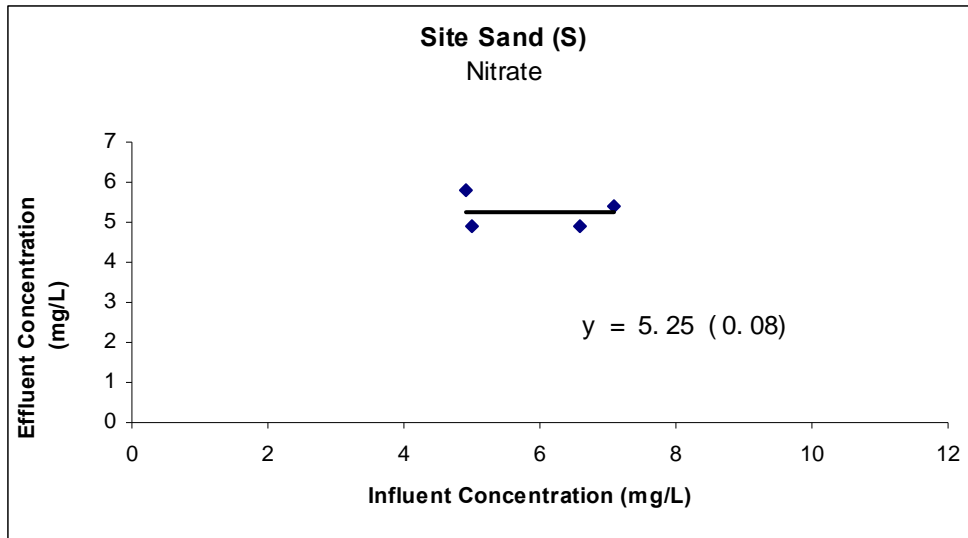
Regression Statistics	
Multiple R	0.205
R Square	0.042
Adjusted R Square	-0.437
Standard Error	0.522
Observations	4.000

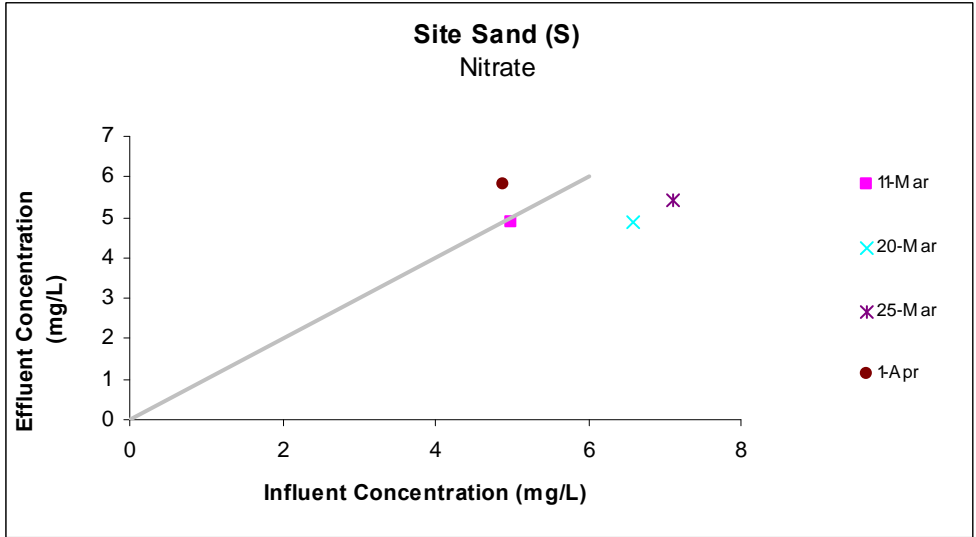
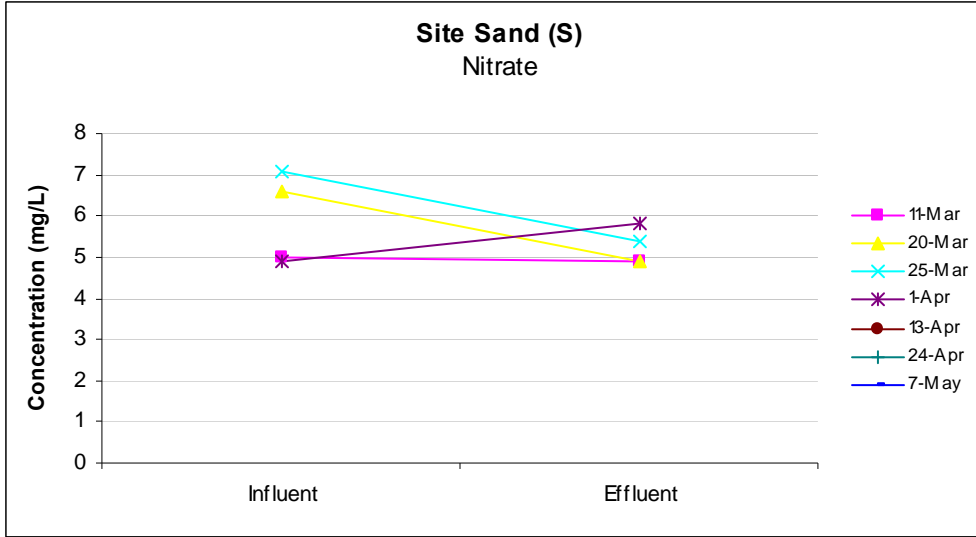
ANOVA						
	df	SS	MS	F	Significance F	
Regression	1.000	0.024	0.024	0.088	0.795	
Residual	2.000	0.546	0.273			
Total	3.000	0.570				

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	5.723	1.615	3.543	0.071	-1.226	12.673	-1.226	12.673
X Variable 1	-0.080	0.270	-0.297	0.795	-1.243	1.082	-1.243	1.082

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	5.322	-0.422
2	5.194	-0.294
3	5.154	0.246
4	5.330	0.470





# Ammonia

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.972
R Square	0.944
Adjusted R Square	0.611
Standard Error	0.414
Observations	4.000

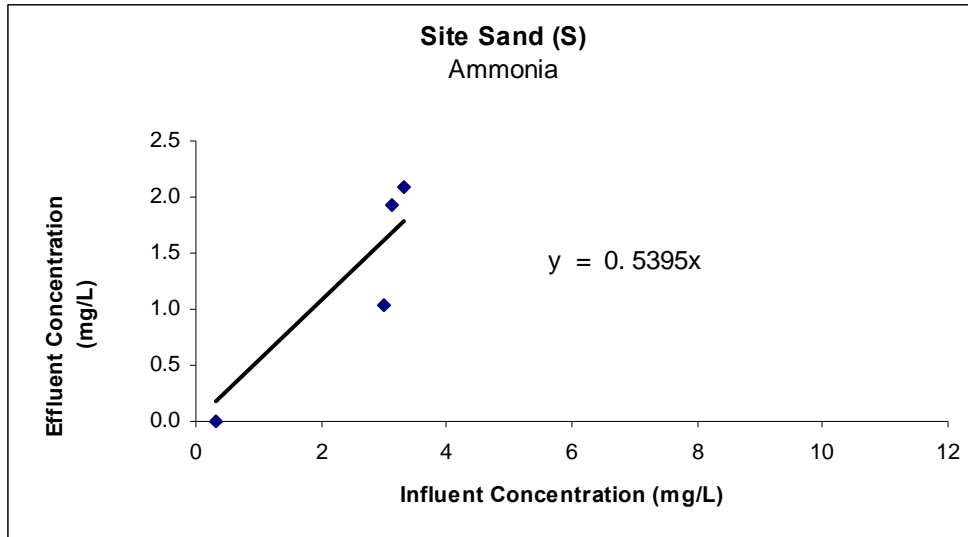
## ANOVA

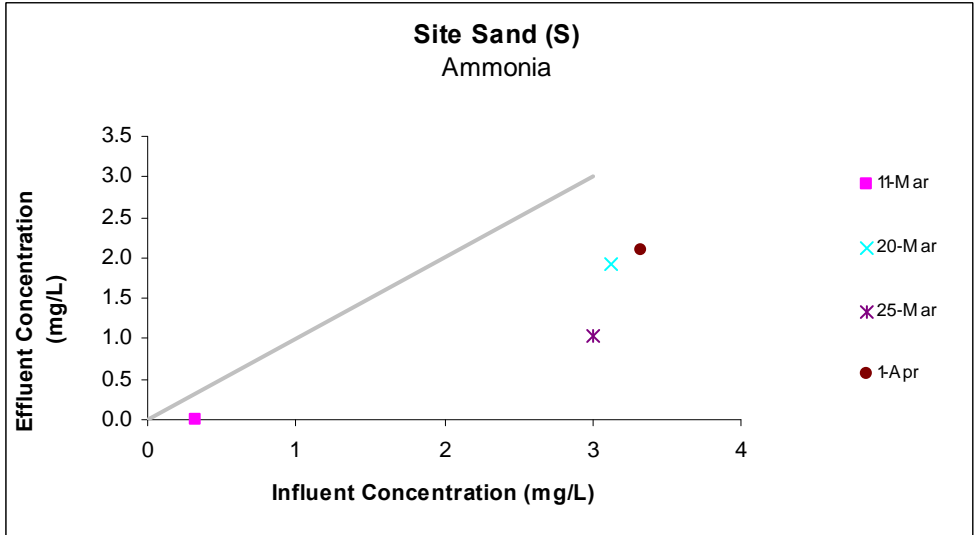
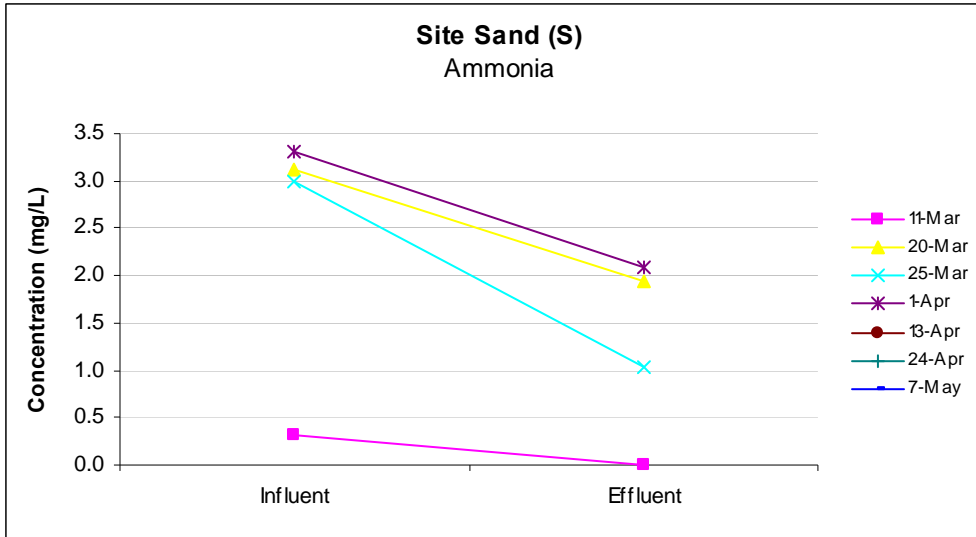
	df	SS	MS	F	Significance F
Regression	1.000	8.660	8.660	50.481	0.019
Residual	3.000	0.515	0.172		
Total	4.000	9.175			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.539	0.076	7.105	0.006	0.297	0.780	0.297	0.780

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.172	-0.172
2	1.680	0.250
3	1.616	-0.576
4	1.788	0.302





# TP

## SUMMARY OUTPUT

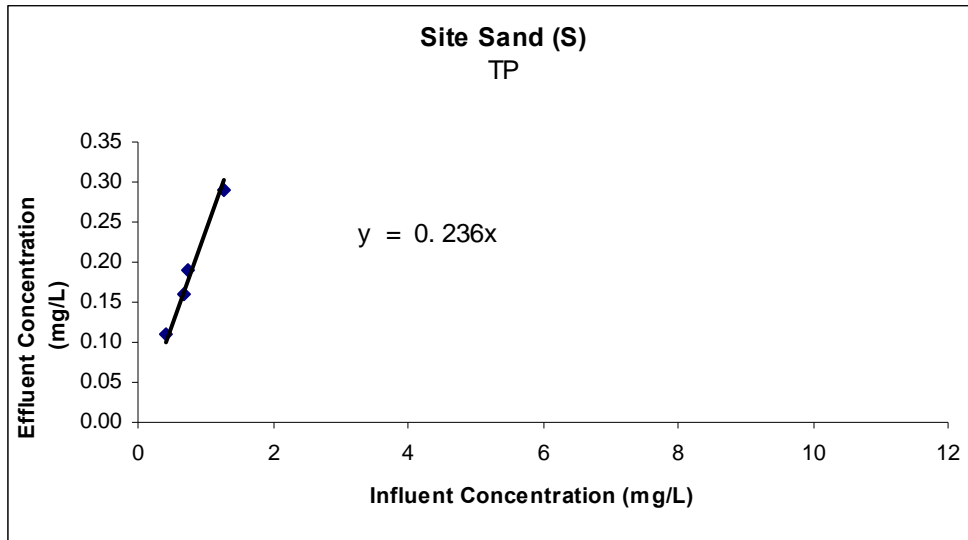
Regression Statistics	
Multiple R	0.999
R Square	0.997
Adjusted R Square	0.864
Standard Error	0.012
Observations	4.000

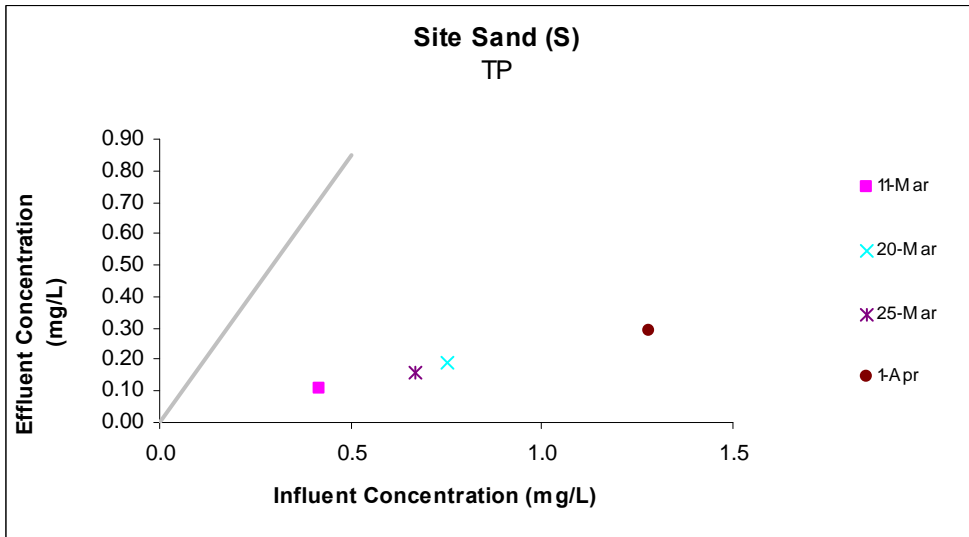
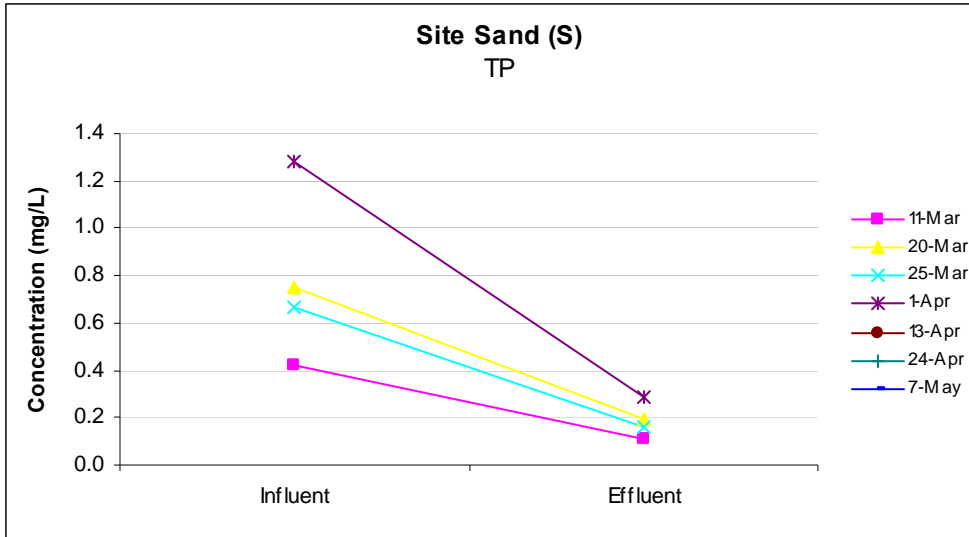
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.157	0.157	1081.403	0.001
Residual	3.000	0.000	0.000		
Total	4.000	0.158			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.236	0.007	32.885	0.000	0.213	0.259	0.213	0.259

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.099	0.011
2	0.177	0.013
3	0.158	0.002
4	0.302	-0.012







# COD

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.954
R Square	0.910
Adjusted R Square	0.577
Standard Error	8.980
Observations	4.000

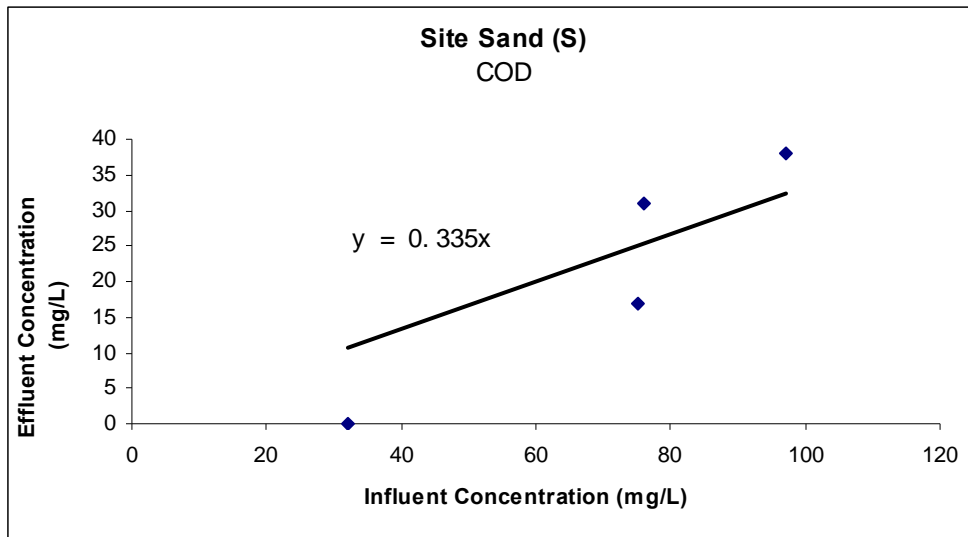
## ANOVA

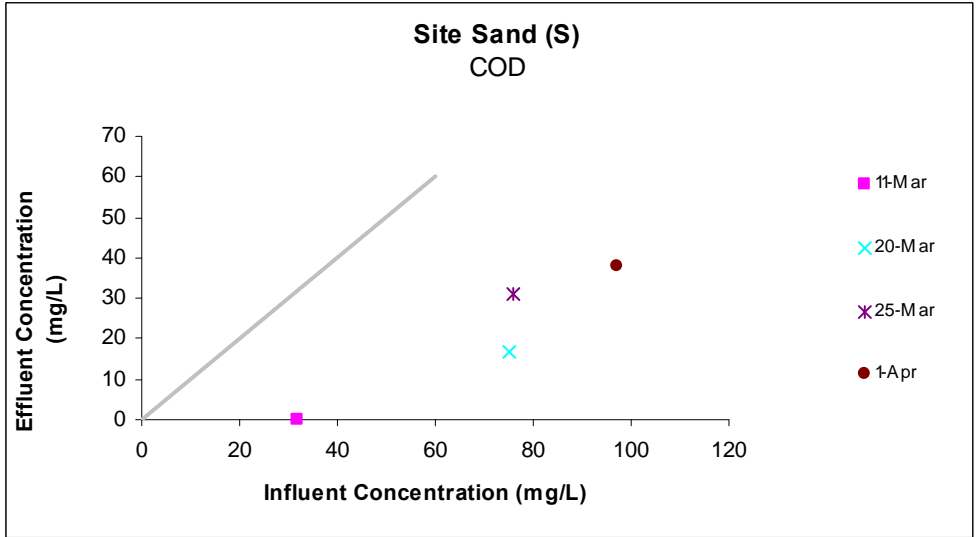
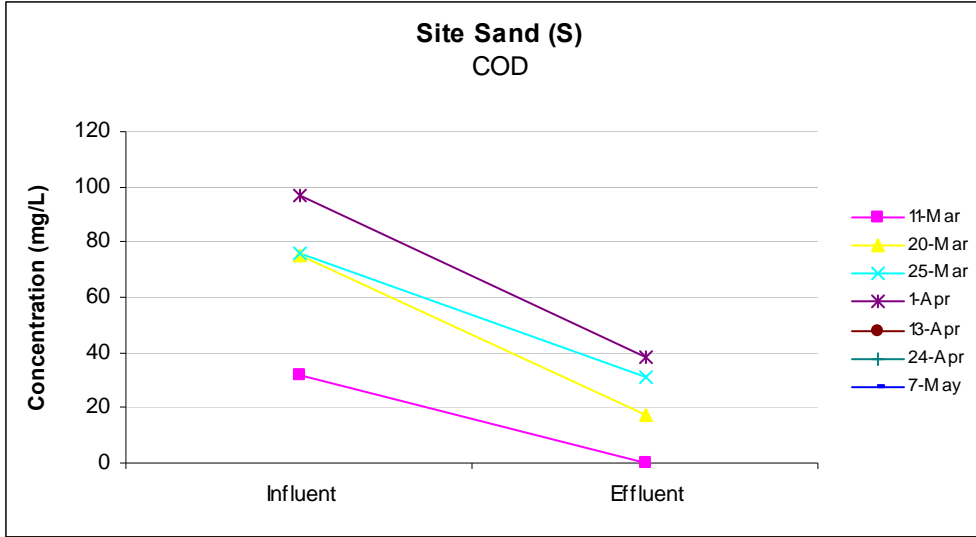
	df	SS	MS	F	Significance F
Regression	1.000	2452.070	2452.070	30.406	0.031
Residual	3.000	241.930	80.643		
Total	4.000	2694.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.335	0.061	5.514	0.012	0.142	0.529	0.142	0.529

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	10.724	-10.724
2	25.134	-8.134
3	25.489	5.531
4	32.507	5.493





# pH

## SUMMARY OUTPUT

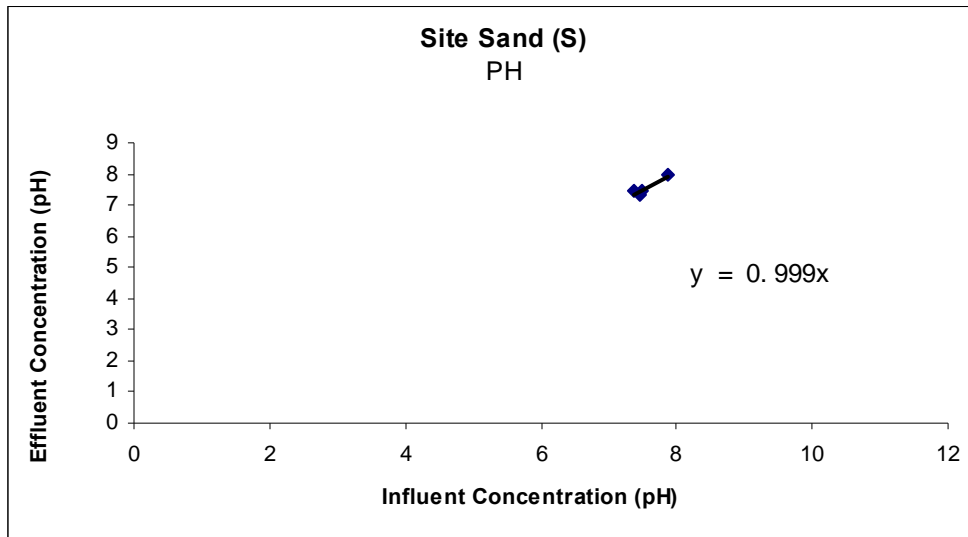
Regression Statistics	
Multiple R	1.000
R Square	1.000
Adjusted R Square	0.666
Standard Error	0.113
Observations	4.000

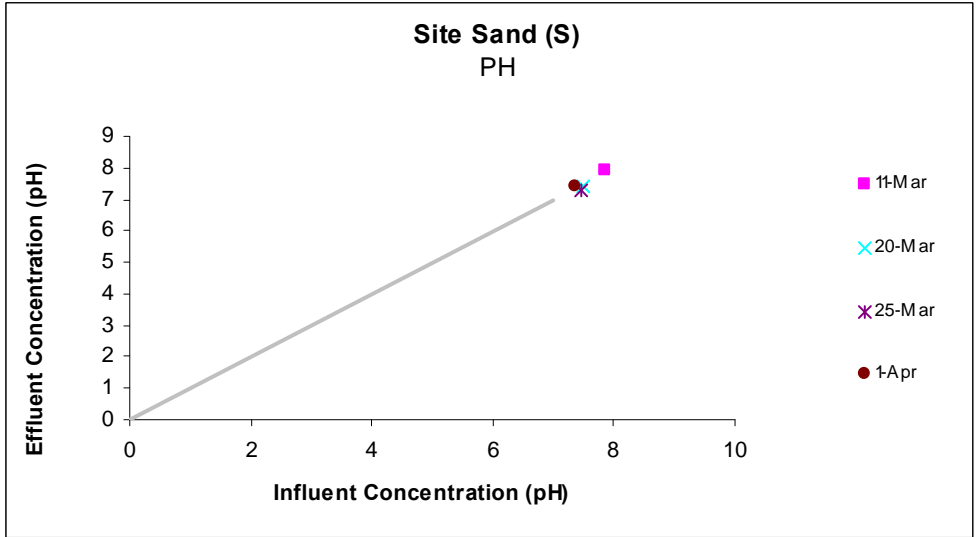
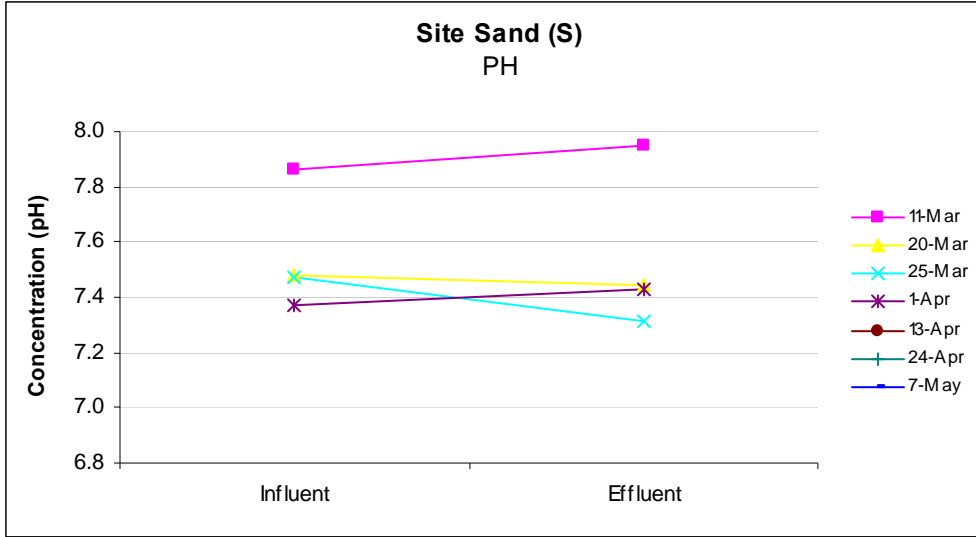
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	227.159	227.159	17756.848	0.000
Residual	3.000	0.038	0.013		
Total	4.000	227.197			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.998	0.007	133.255	0.000	0.975	1.022	0.975	1.022

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	7.848	0.102
2	7.469	-0.029
3	7.459	-0.149
4	7.359	0.071





# Conductivity

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.999
R Square	0.998
Adjusted R Square	0.865
Standard Error	16.753
Observations	4.000

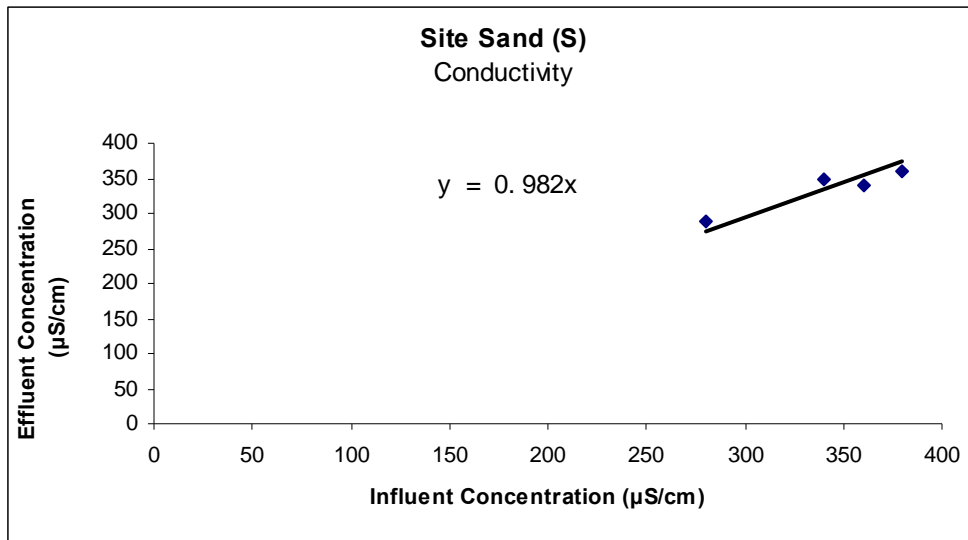
## ANOVA

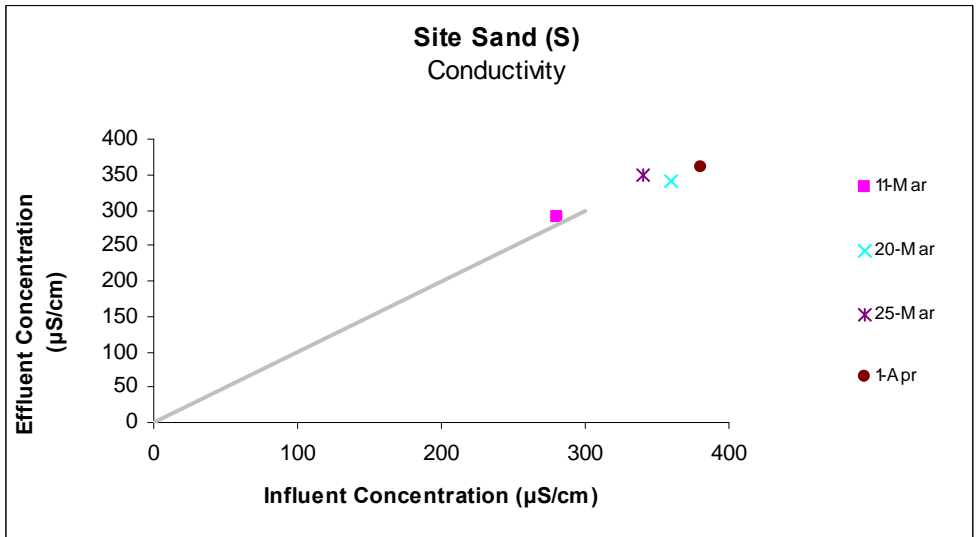
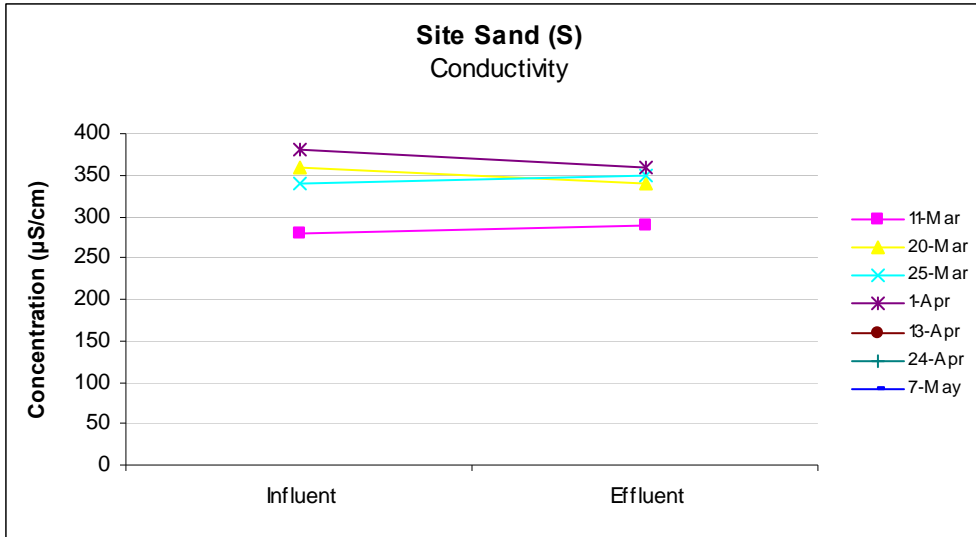
	df	SS	MS	F	Significance F
Regression	1.000	450958.034	450958.034	1606.804	0.001
Residual	3.000	841.966	280.655		
Total	4.000	451800.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.982	0.024	40.085	0.000	0.904	1.060	0.904	1.060

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	274.855	15.145
2	353.385	-13.385
3	333.752	16.248
4	373.017	-13.017





# ORP

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.891
R Square	0.794
Adjusted R Square	0.691
Standard Error	13.098
Observations	4.000

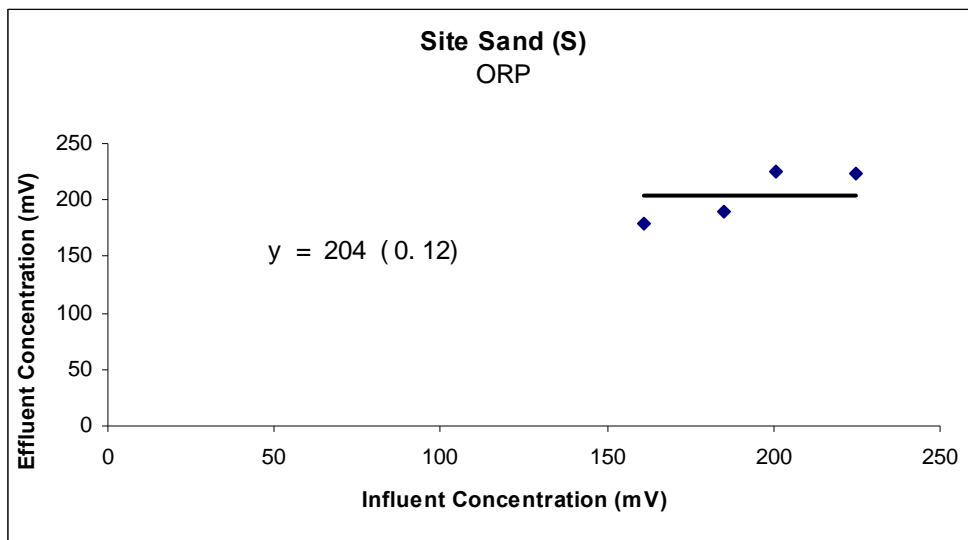
## ANOVA

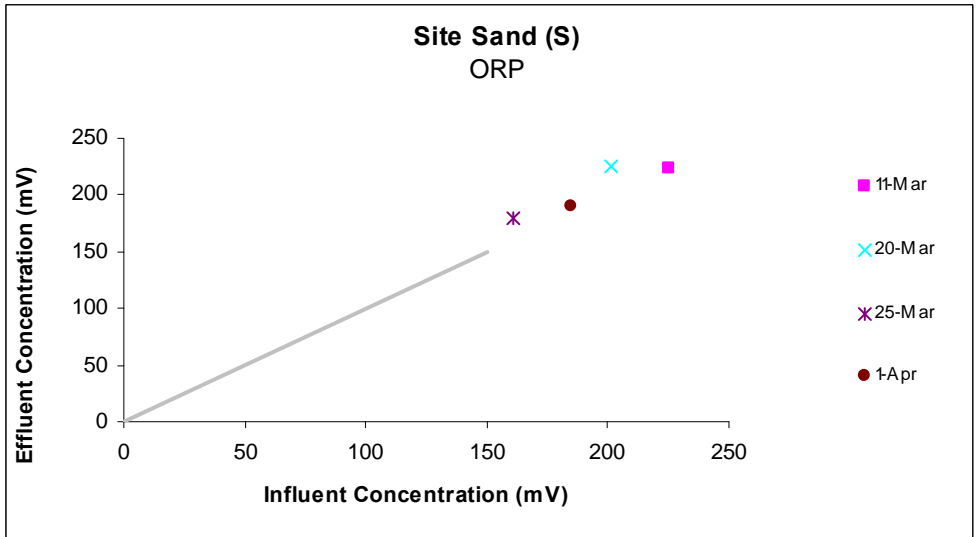
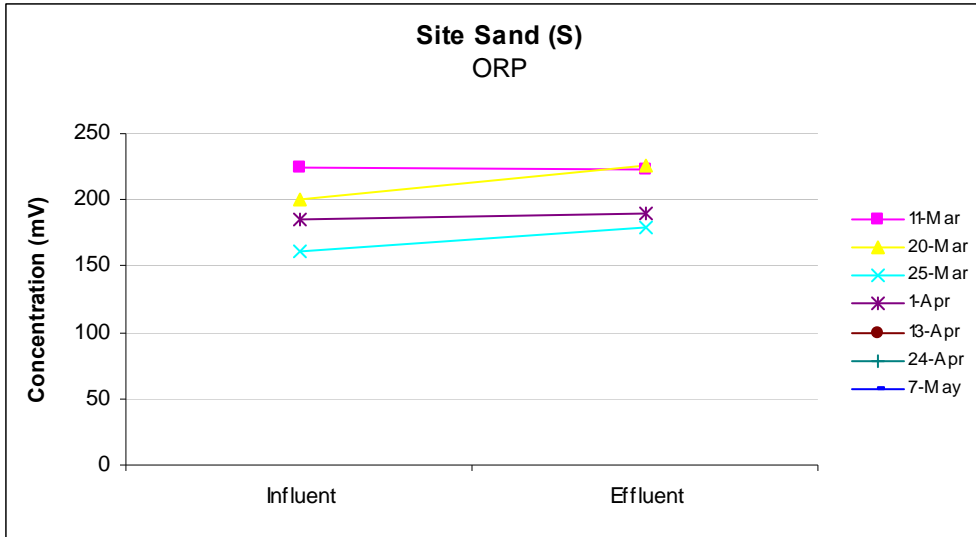
	df	SS	MS	F	Significance F
Regression	1.000	1321.882	1321.882	7.705	0.109
Residual	2.000	343.118	171.559		
Total	3.000	1665.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	54.074	54.586	0.991	0.426	-180.792	288.939	-180.792	288.939
X Variable 1	0.779	0.281	2.776	0.109	-0.429	1.988	-0.429	1.988

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	229.441	-6.441
2	210.735	15.265
3	179.559	-0.559
4	198.265	-8.265







# Color

## SUMMARY OUTPUT

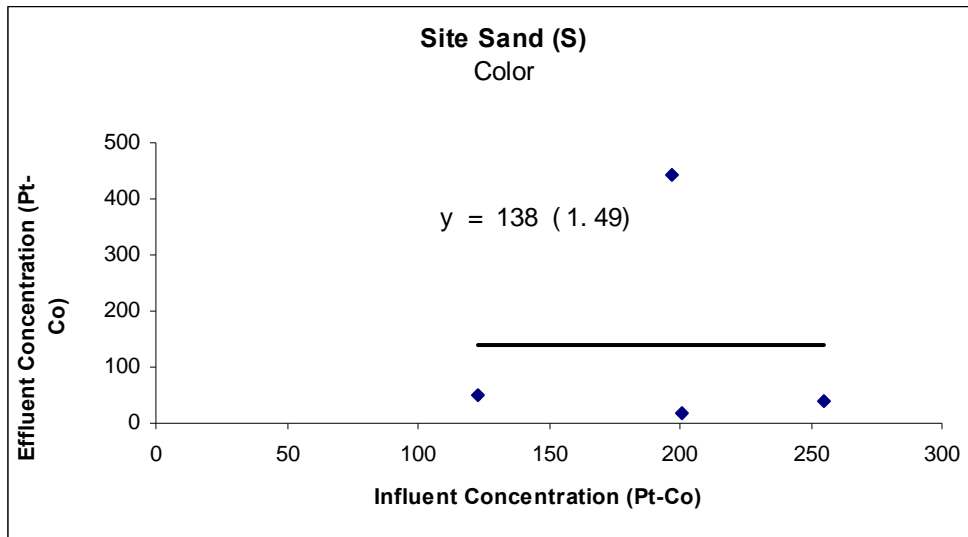
Regression Statistics	
Multiple R	0.009
R Square	0.000
Adjusted R Square	-0.500
Standard Error	250.706
Observations	4.000

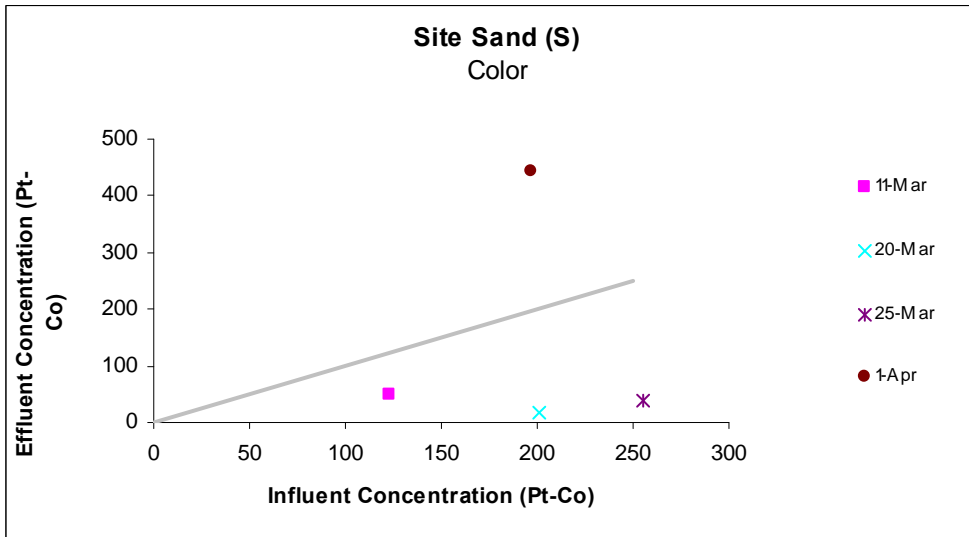
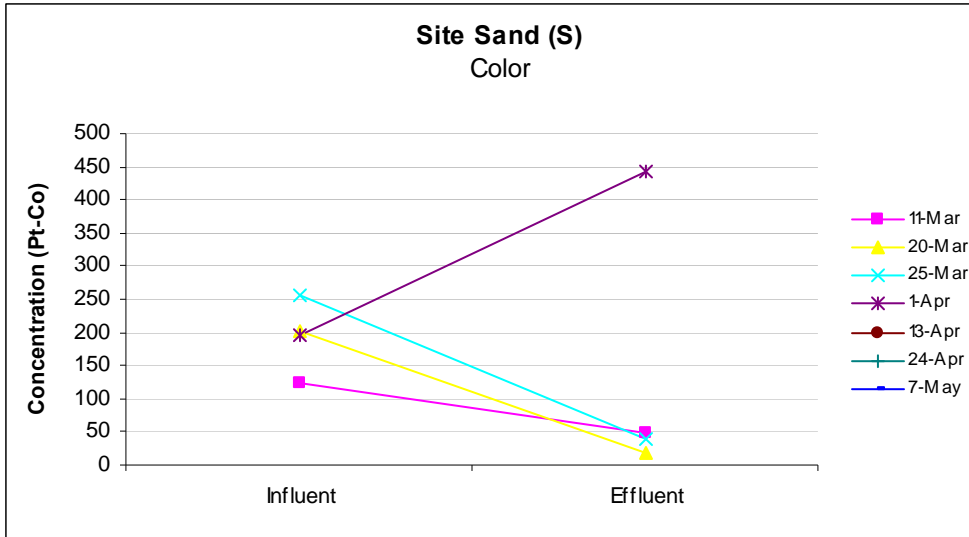
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	10.478	10.478	0.000	0.991
Residual	2.000	125706.522	62853.261		
Total	3.000	125717.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	130.813	532.937	0.246	0.829	-2161.801	2423.428	-2161.801	2423.428
X Variable 1	0.034	2.869	0.013	0.991	-11.451	11.520	-11.451	11.520

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	135.053	-86.053
2	137.741	-118.741
3	139.602	-101.602
4	137.603	306.397





# Fluoride

## SUMMARY OUTPUT

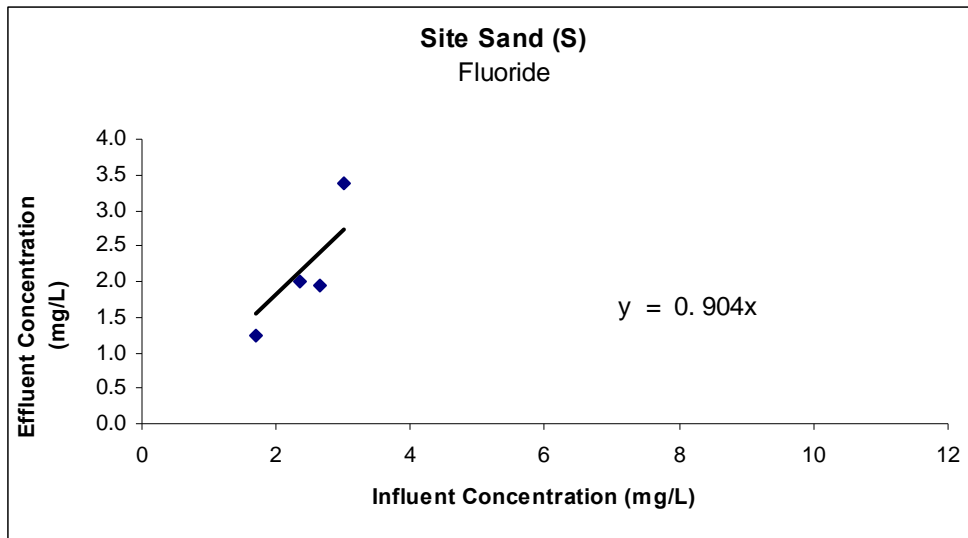
Regression Statistics	
Multiple R	0.982
R Square	0.965
Adjusted R Square	0.631
Standard Error	0.493
Observations	4.000

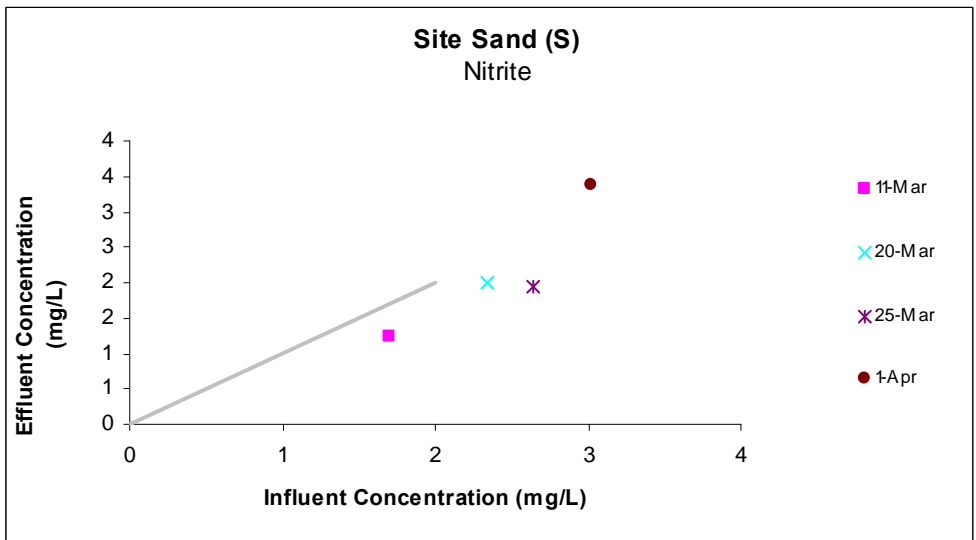
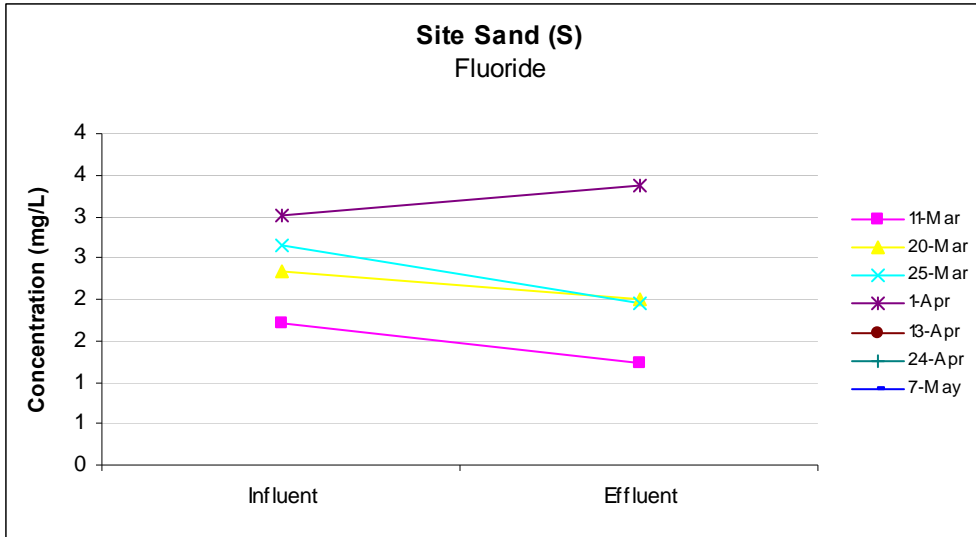
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	19.972	19.972	82.160	0.012
Residual	3.000	0.729	0.243		
Total	4.000	20.701			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.904	0.100	9.064	0.003	0.586	1.221	0.586	1.221

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.536	-0.306
2	2.115	-0.115
3	2.386	-0.446
4	2.729	0.651





# Sulfate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.698
R Square	0.487
Adjusted R Square	0.230
Standard Error	2.809
Observations	4.000

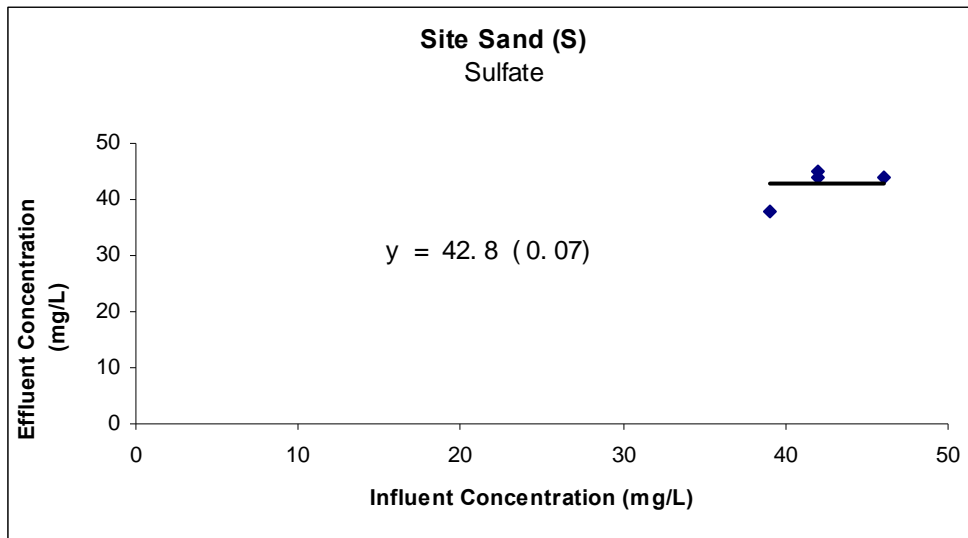
## ANOVA

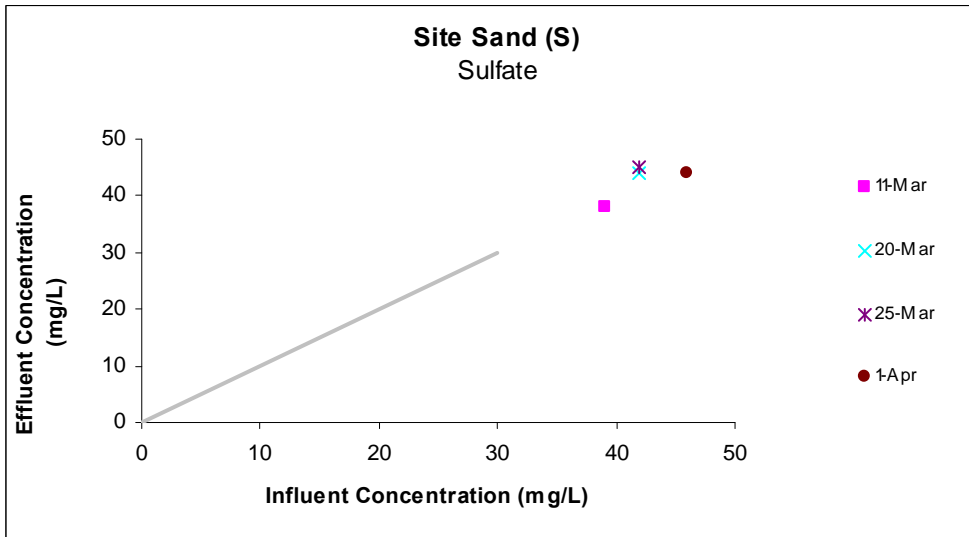
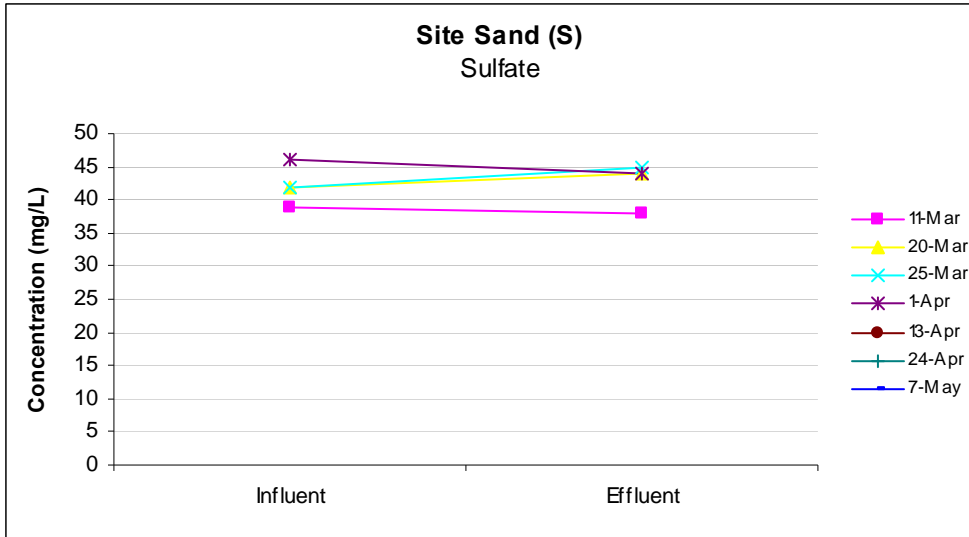
	df	SS	MS	F	Significance F
Regression	1.000	14.972	14.972	1.898	0.302
Residual	2.000	15.778	7.889		
Total	3.000	30.750			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	9.889	23.895	0.414	0.719	-92.921	112.699	-92.921	112.699
X Variable 1	0.778	0.565	1.378	0.302	-1.651	3.207	-1.651	3.207

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	40.222	-2.222
2	42.556	1.444
3	42.556	2.444
4	45.667	-1.667





# Phosphate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.986
R Square	0.972
Adjusted R Square	0.638
Standard Error	0.098
Observations	4.000

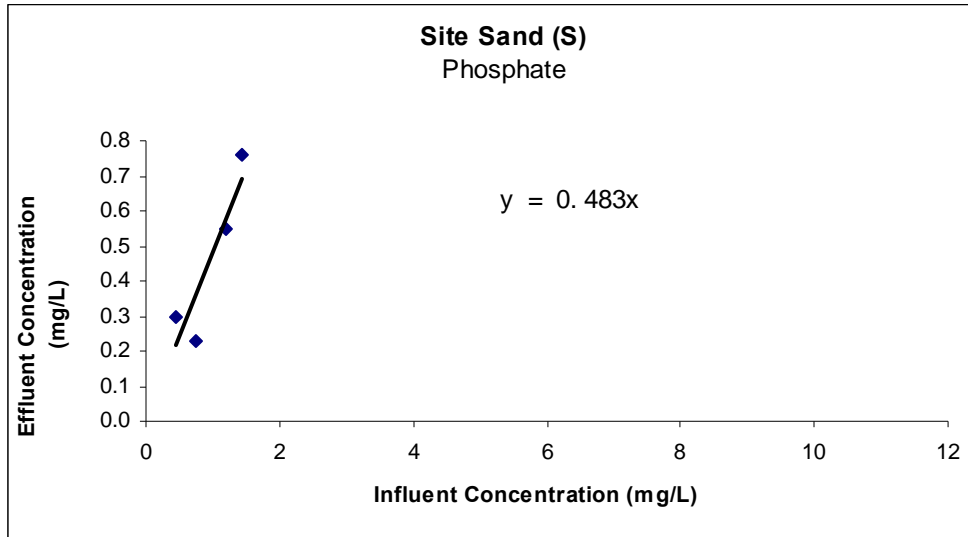
## ANOVA

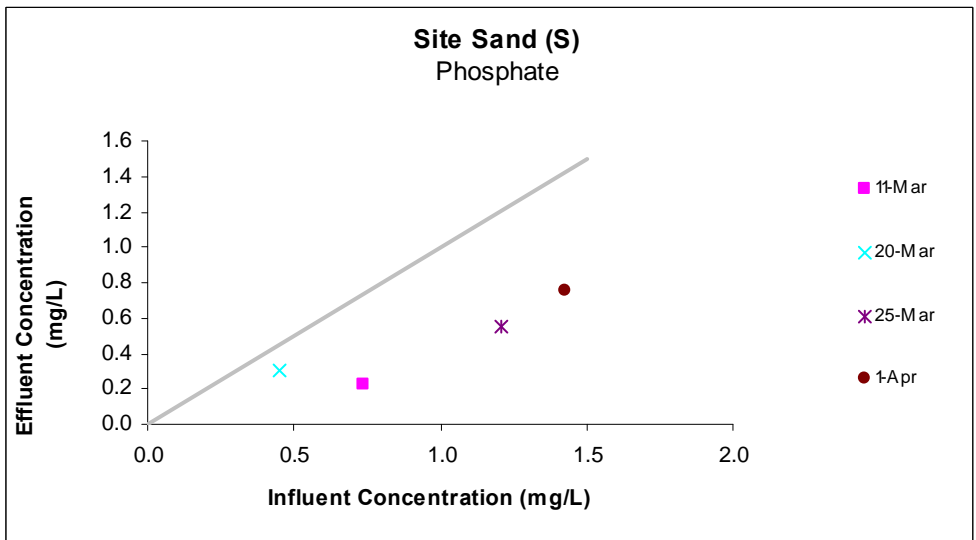
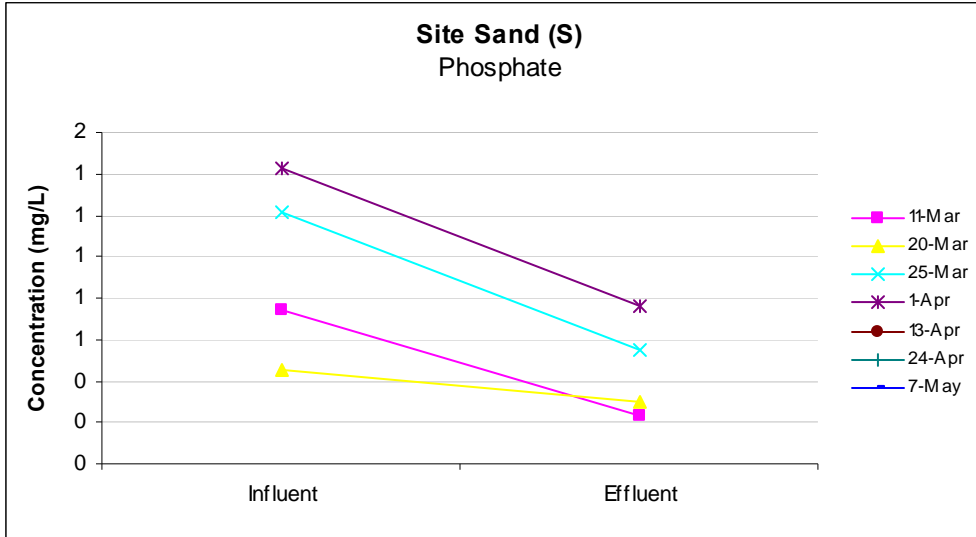
	df	SS	MS	F	Significance F
Regression	1.000	0.994	0.994	102.623	0.010
Residual	3.000	0.029	0.010		
Total	4.000	1.023			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.483	0.048	10.130	0.002	0.331	0.635	0.331	0.635

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.357	-0.127
2	0.217	0.083
3	0.585	-0.035
4	0.691	0.069







# TN

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.947
R Square	0.717
Adjusted R Square	0.576
Standard Error	4.691
Observations	4.000

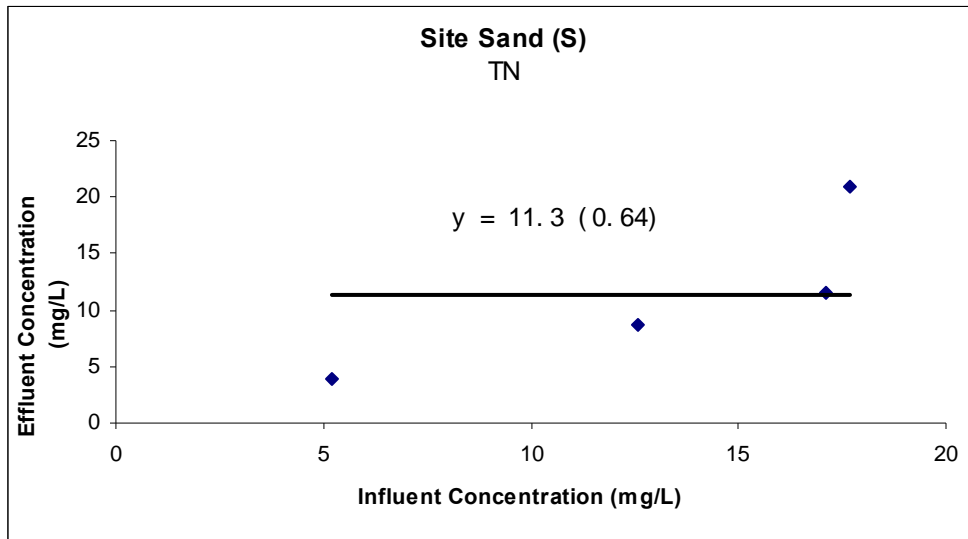
## ANOVA

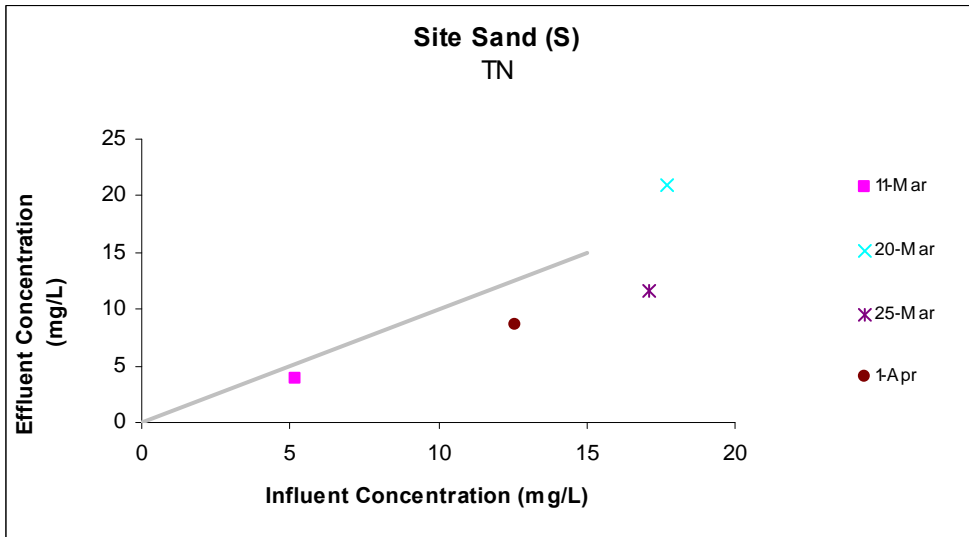
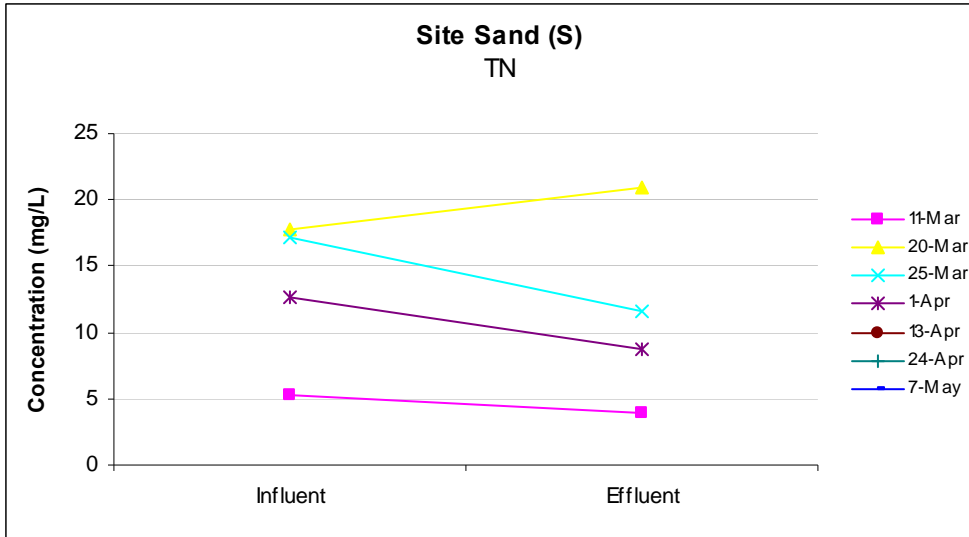
	df	SS	MS	F	Significance F
Regression	1.000	111.684	111.684	5.075	0.153
Residual	2.000	44.016	22.008		
Total	3.000	155.700			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-2.610	6.605	-0.395	0.731	-31.031	25.811	-31.031	25.811
X Variable 1	1.058	0.470	2.253	0.153	-0.963	3.078	-0.963	3.078

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	2.890	1.010
2	16.113	4.887
3	15.478	-3.878
4	10.718	-2.018





# UV 254

## SUMMARY OUTPUT

Regression Statistics	
Multiple F	0.970
R Square	0.941
Adjusted R	0.608
Standard Error	0.165
Observations	4.000

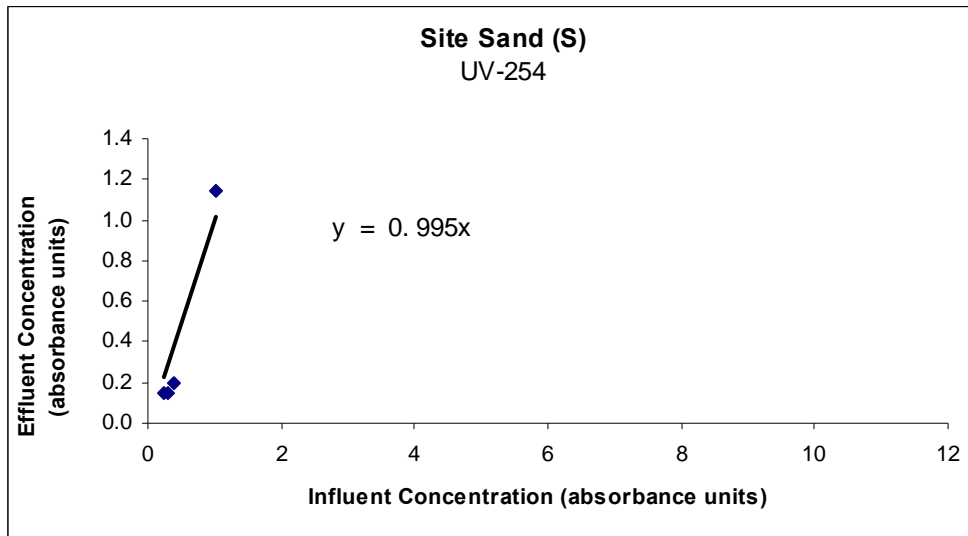
## ANOVA

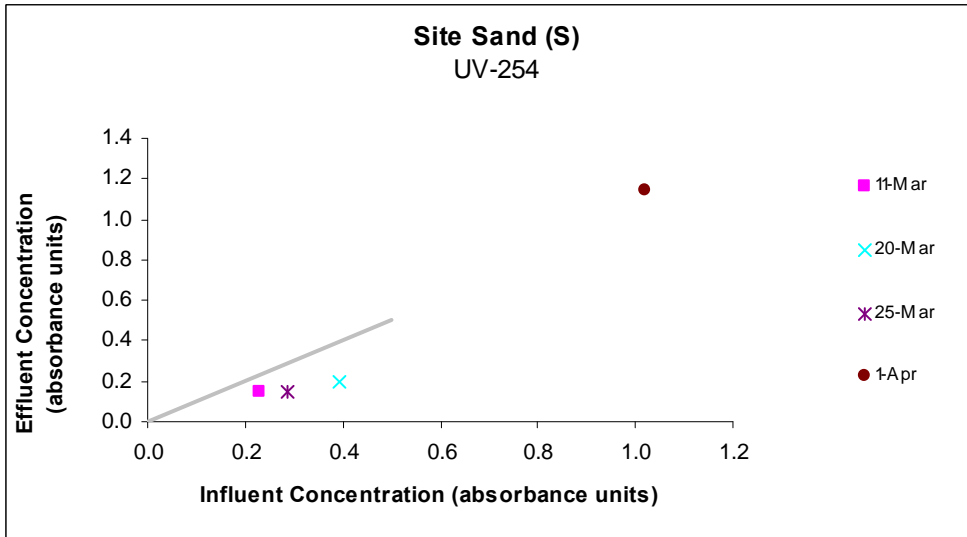
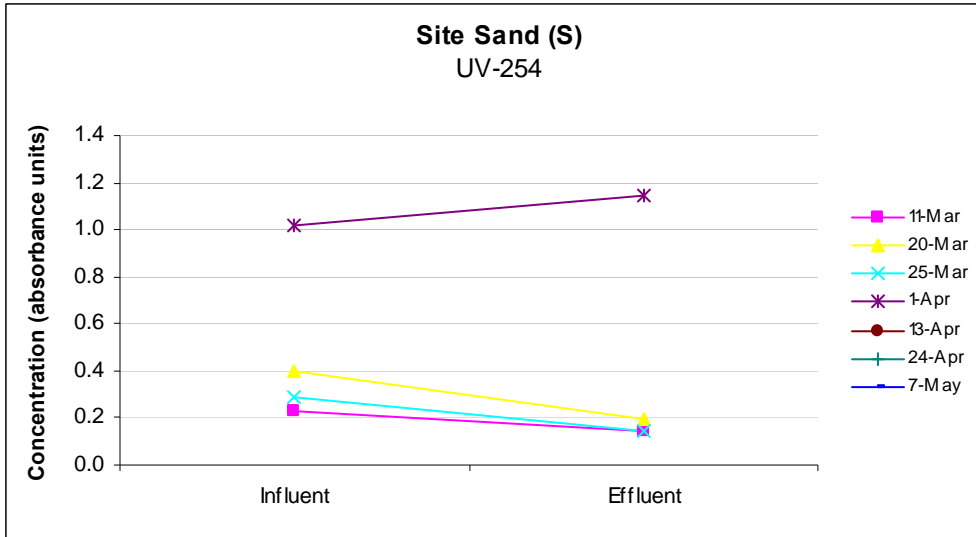
	df	SS	MS	F	Significance F
Regression	1.000	1.317	1.317	48.087	0.020
Residual	3.000	0.082	0.027		
Total	4.000	1.399			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable	0.995	0.143	6.934	0.006	0.538	1.451	0.538	1.451

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.229	-0.084
2	0.393	-0.194
3	0.284	-0.141
4	1.015	0.133





# Chloride

SUMMARY OUTPUT

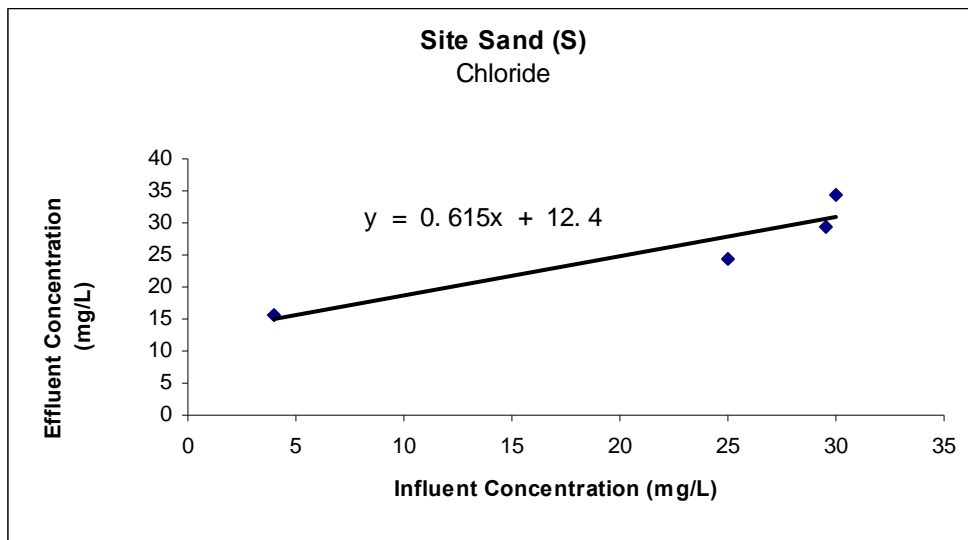
Regression Statistics	
Multiple R	0.933
R Square	0.870
Adjusted R Square	0.805
Standard Error	3.574
Observations	4.000

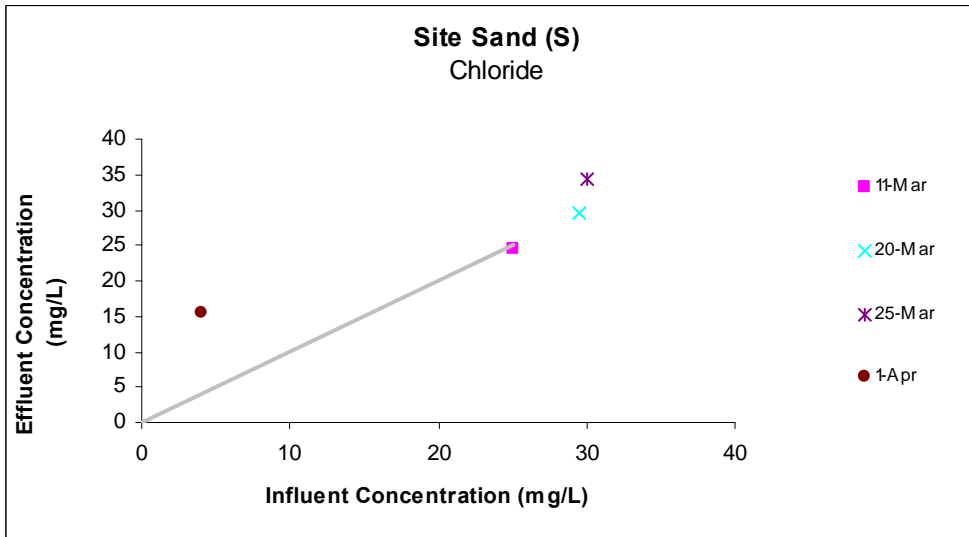
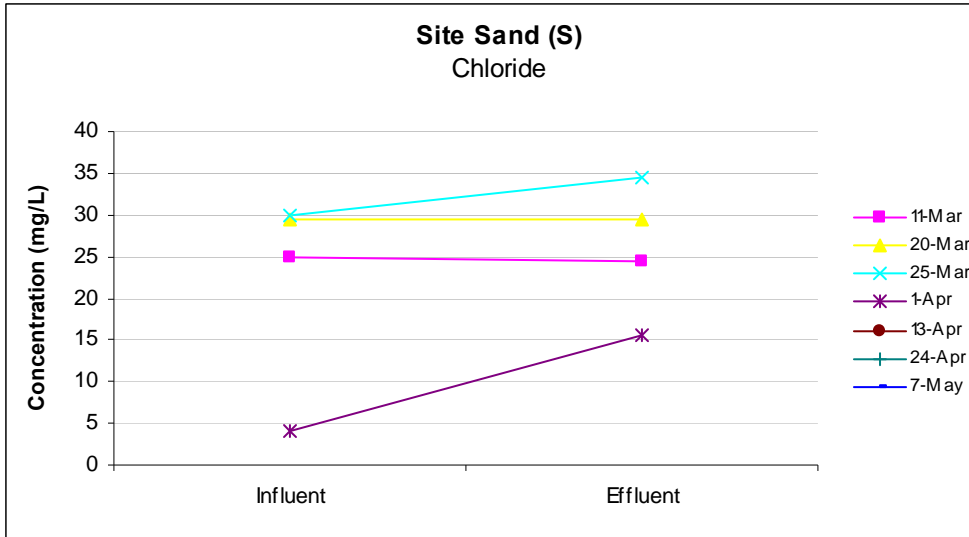
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	171.456	171.456	13.424	0.067
Residual	2.000	25.544	12.772		
Total	3.000	197.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	12.391	4.122	3.006	0.095	-5.343	30.126	-5.343	30.126
X Variable 1	0.615	0.168	3.664	0.067	-0.107	1.337	-0.107	1.337

RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	27.768	-3.268
2	30.536	-1.036
3	30.844	3.656
4	14.852	0.648





# Hardness

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.598
R Square	0.358
Adjusted R Square	0.037
Standard Error	13.385
Observations	4.000

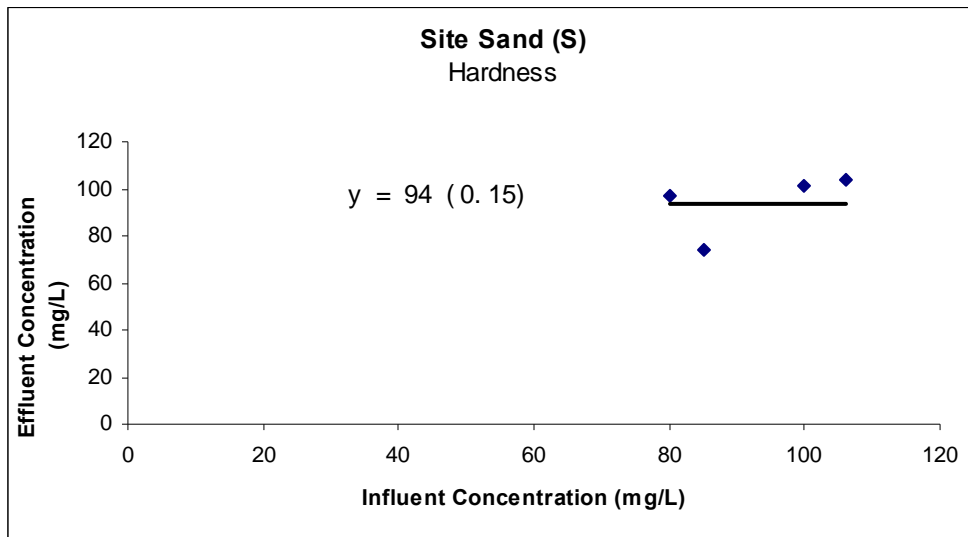
## ANOVA

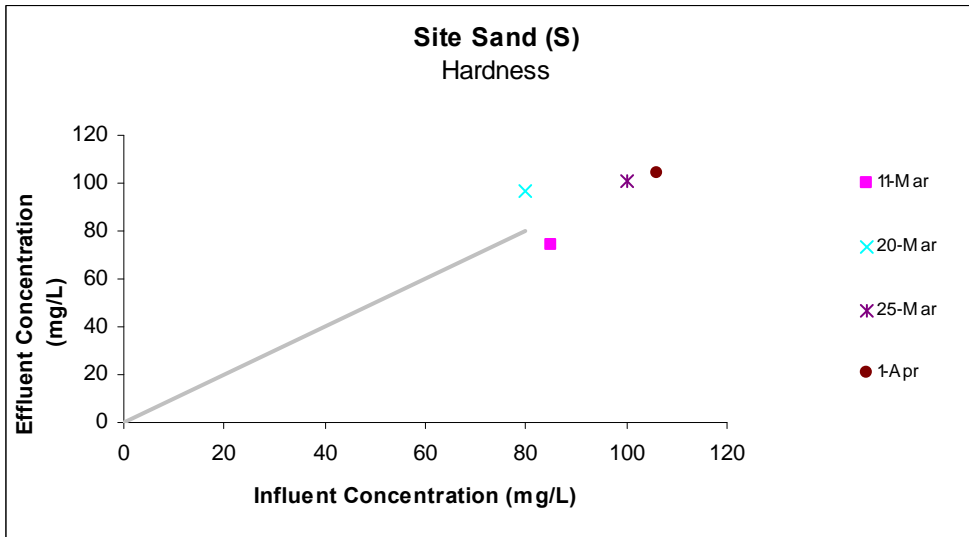
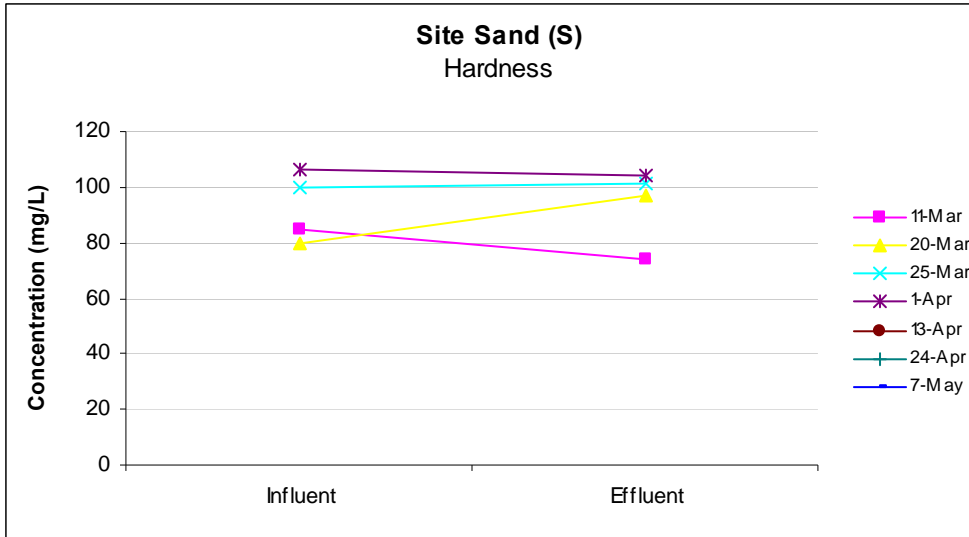
	df	SS	MS	F	Significance F
Regression	1.000	199.667	199.667	1.114	0.402
Residual	2.000	358.333	179.166		
Total	3.000	558.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	32.270	58.857	0.548	0.639	-220.973	285.512	-220.973	285.512
X Variable 1	0.666	0.630	1.056	0.402	-2.047	3.378	-2.047	3.378

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	88.842	-14.842
2	85.514	11.486
3	98.825	2.175
4	102.819	1.181







# NO2+NO3

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.092
R Square	0.009
Adjusted R Square	-0.487
Standard Error	0.568
Observations	4.000

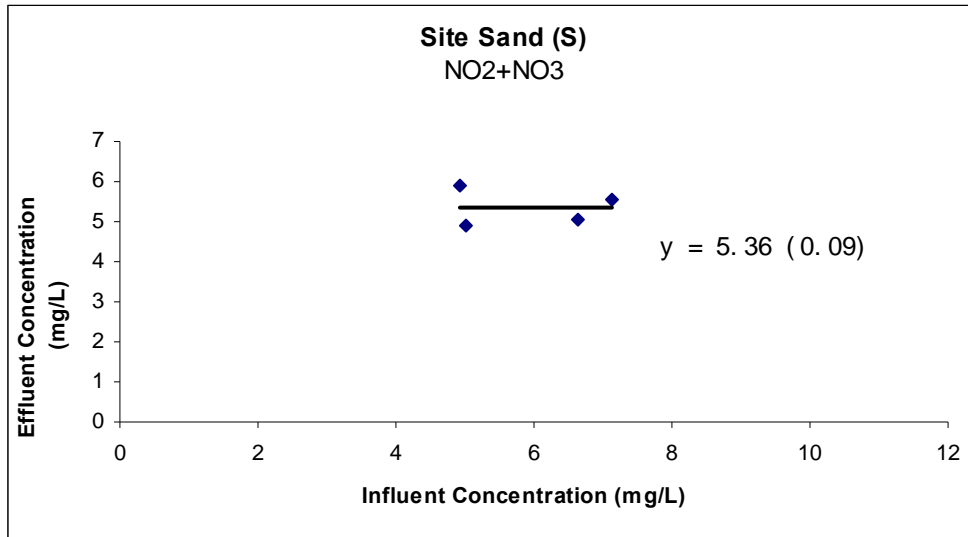
## ANOVA

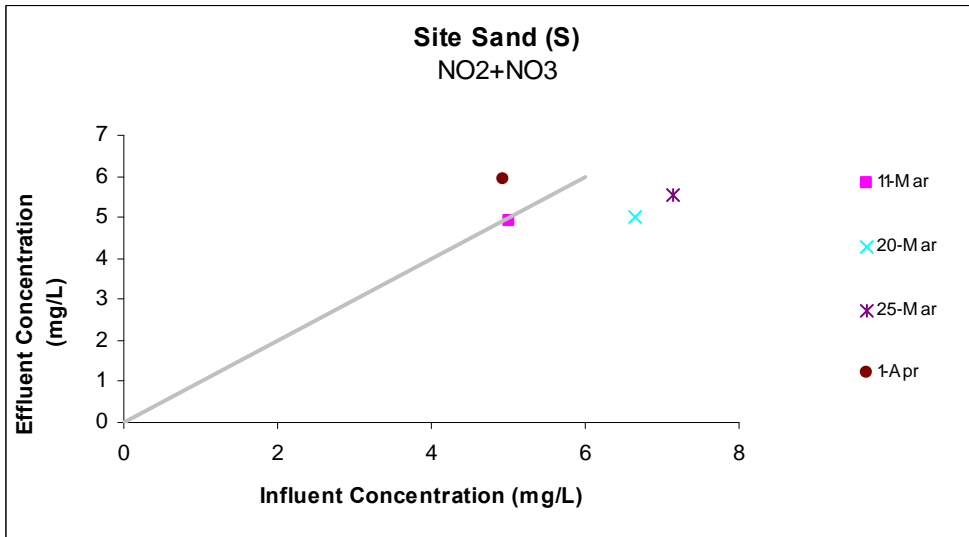
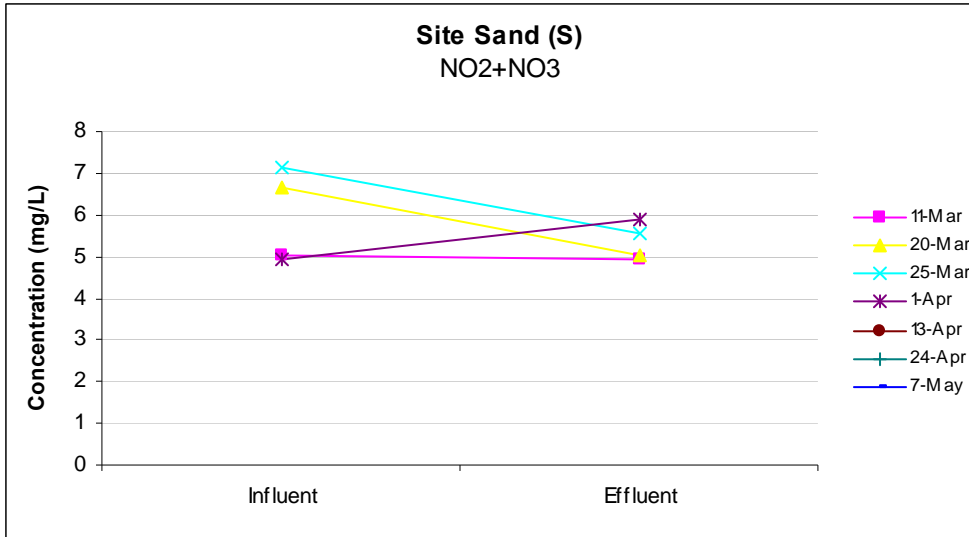
	df	SS	MS	F	Significance F
Regression	1.000	0.006	0.006	0.017	0.908
Residual	2.000	0.645	0.322		
Total	3.000	0.650			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	5.582	1.751	3.188	0.086	-1.951	13.114	-1.951	13.114
X Variable 1	-0.038	0.291	-0.131	0.908	-1.290	1.214	-1.290	1.214

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	5.390	-0.472
2	5.328	-0.298
3	5.309	0.249
4	5.393	0.521





# Site Zeolite

## Nitrite

### SUMMARY OUTPUT

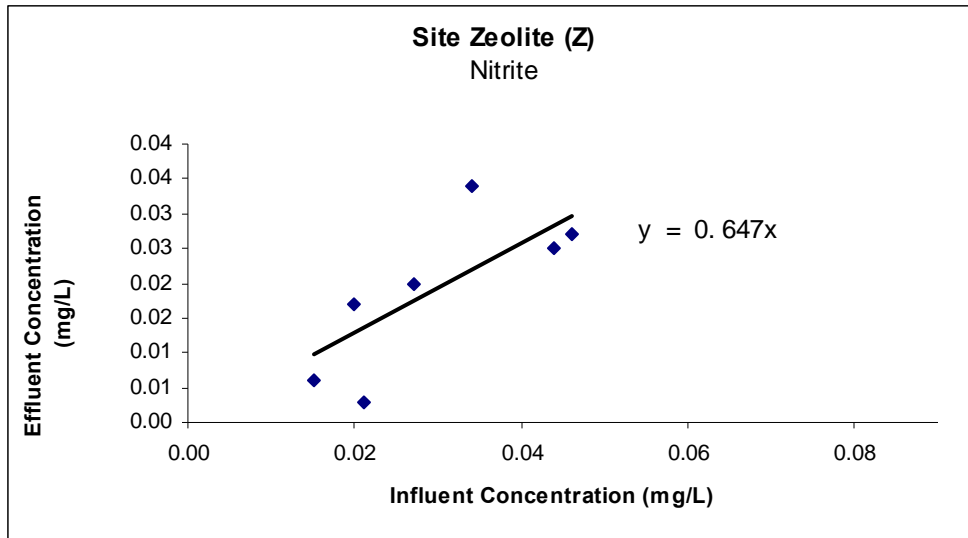
Regression Statistics	
Multiple R	0.951
R Square	0.904
Adjusted R Square	0.737
Standard Error	0.007
Observations	7.000

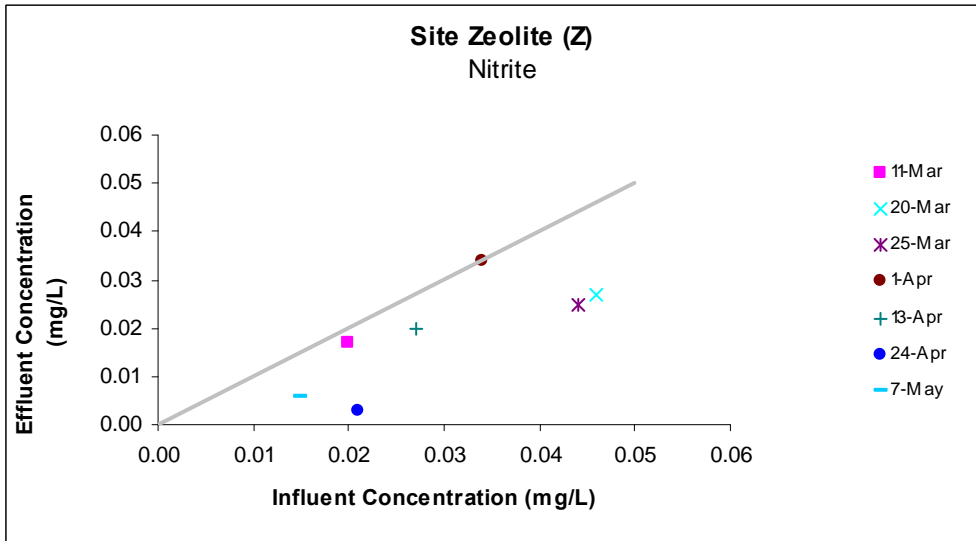
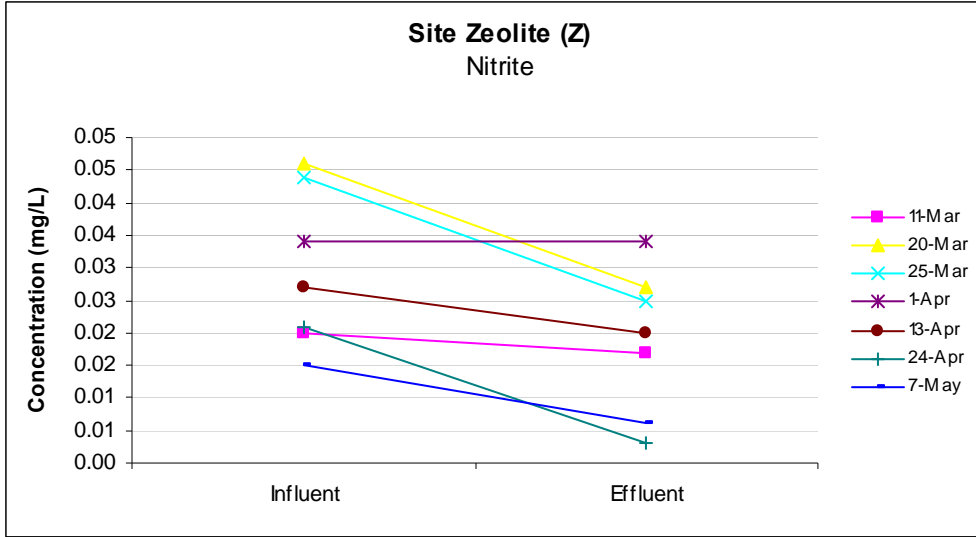
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.003	0.003	56.304	0.001
Residual	6.000	0.000	0.000		
Total	7.000	0.003			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.647	0.086	7.504	0.000	0.436	0.858	0.436	0.858

### RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.013	0.004
2	0.030	-0.003
3	0.028	-0.003
4	0.022	0.012
5	0.017	0.003
6	0.014	-0.011
7	0.010	-0.004





# Nitrate

## SUMMARY OUTPUT

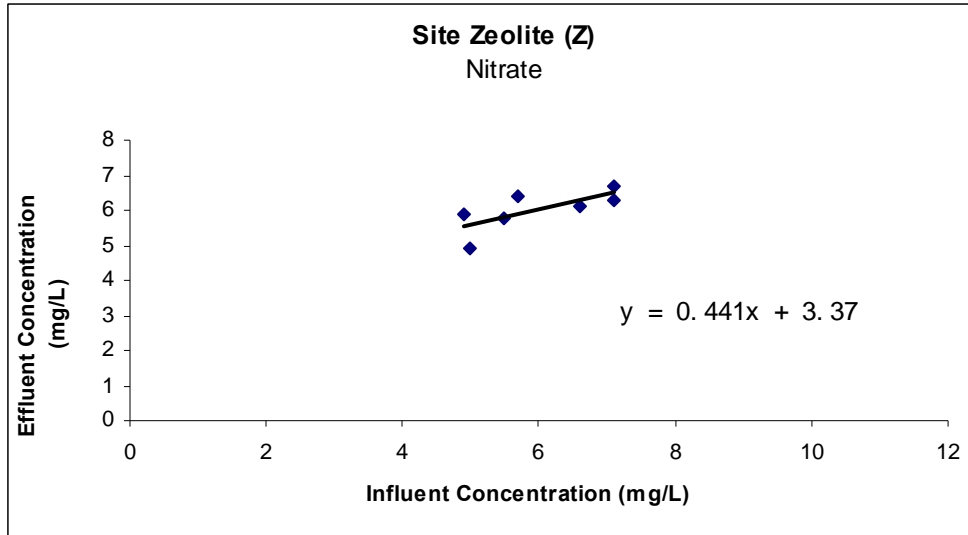
Regression Statistics	
Multiple R	0.719
R Square	0.517
Adjusted R Square	0.420
Standard Error	0.441
Observations	7.000

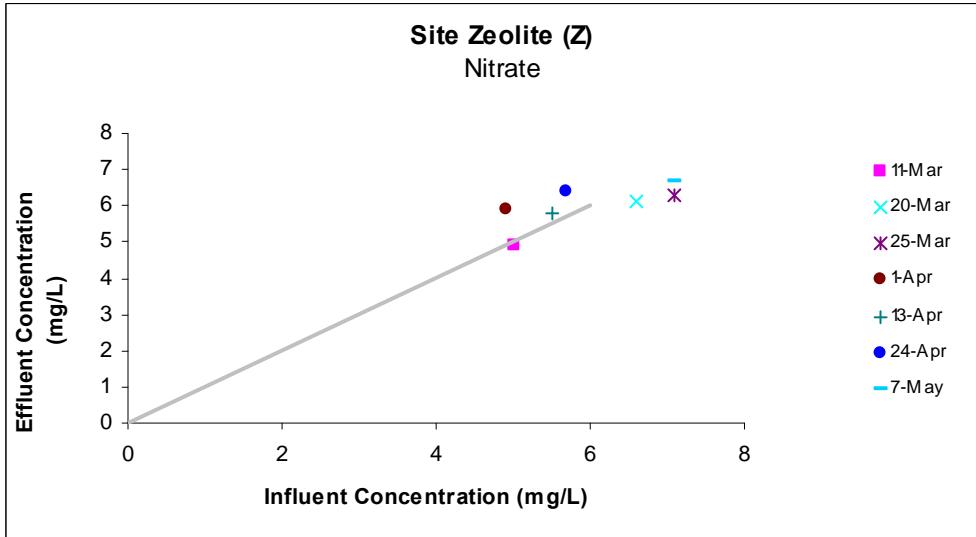
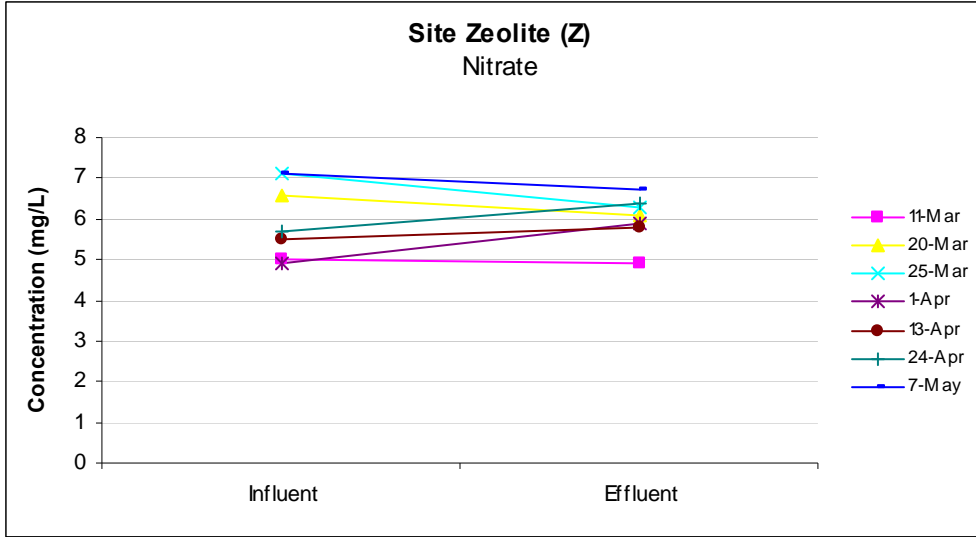
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	1.038	1.038	5.344	0.069
Residual	5.000	0.971	0.194		
Total	6.000	2.009			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	3.373	1.155	2.921	0.033	0.405	6.341	0.405	6.341
X Variable 1	0.441	0.191	2.312	0.069	-0.049	0.932	-0.049	0.932

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	5.579	-0.679
2	6.285	-0.185
3	6.506	-0.206
4	5.535	0.365
5	5.800	0.000
6	5.888	0.512
7	6.506	0.194





# Ammonia

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.219
R Square	0.048
Adjusted R Square	-0.143
Standard Error	0.196
Observations	7.000

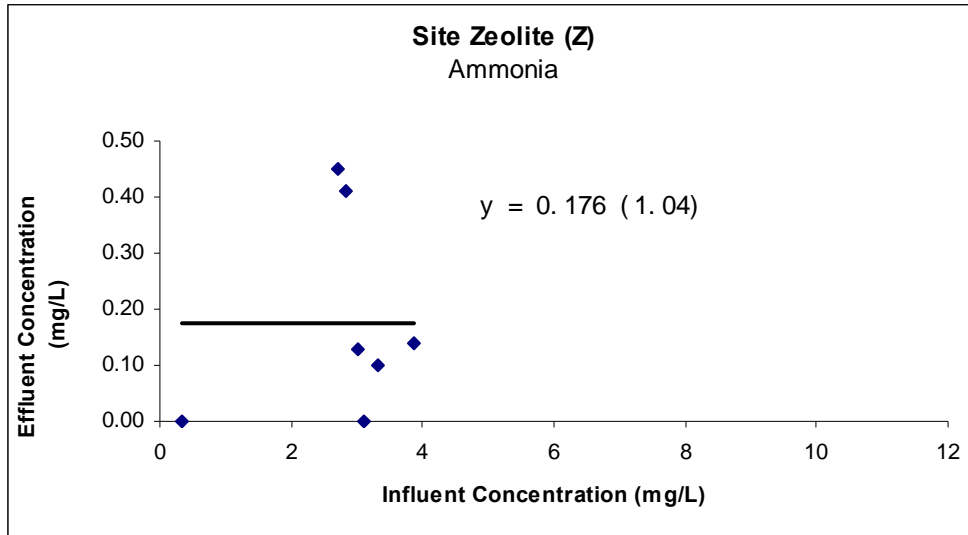
## ANOVA

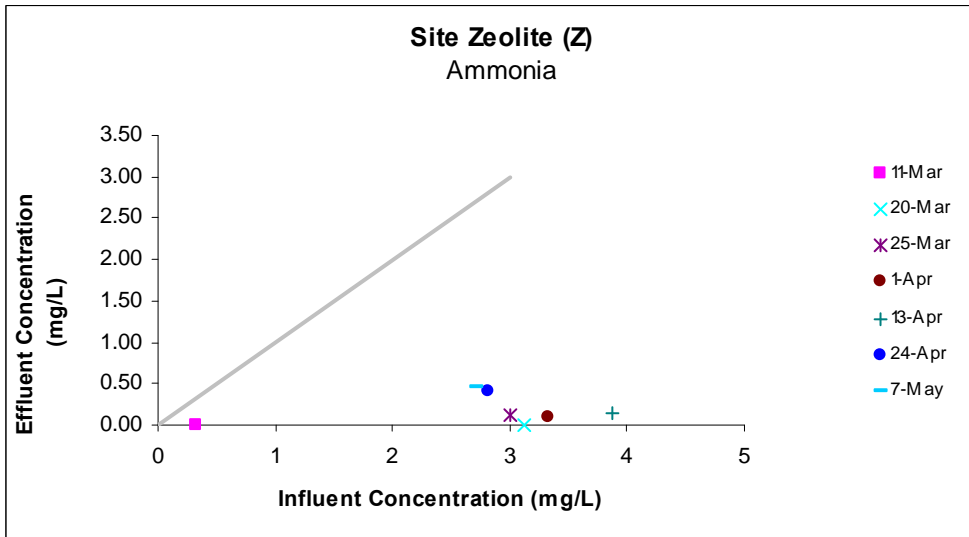
	df	SS	MS	F	Significance F
Regression	1.000	0.010	0.010	0.252	0.637
Residual	5.000	0.191	0.038		
Total	6.000	0.201			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.079	0.207	0.382	0.718	-0.452	0.610	-0.452	0.610
X Variable 1	0.035	0.070	0.502	0.637	-0.146	0.216	-0.146	0.216

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.090	-0.090
2	0.189	-0.189
3	0.185	-0.055
4	0.196	-0.096
5	0.216	-0.076
6	0.179	0.231
7	0.175	0.275







# TP

## SUMMARY OUTPUT

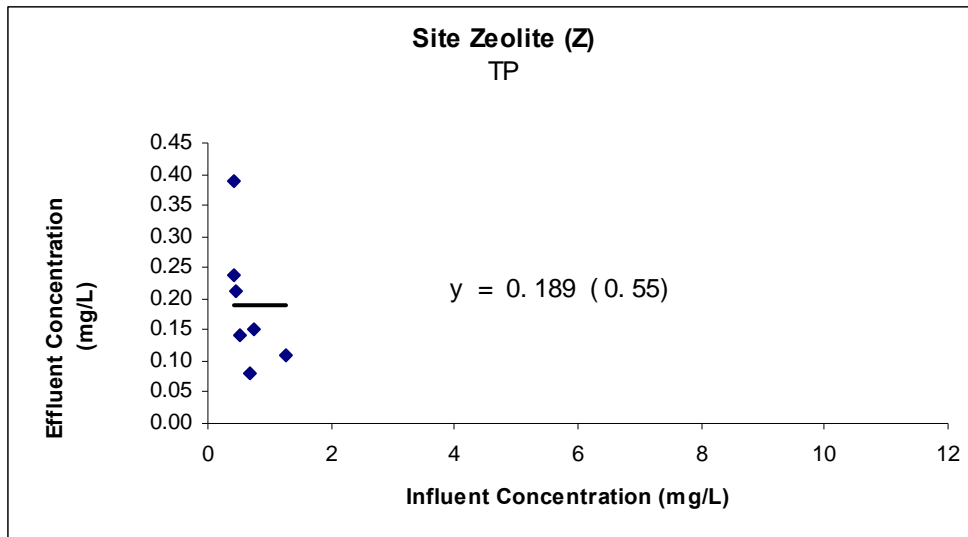
Regression Statistics	
Multiple R	0.582
R Square	0.339
Adjusted R Square	0.207
Standard Error	0.093
Observations	7.000

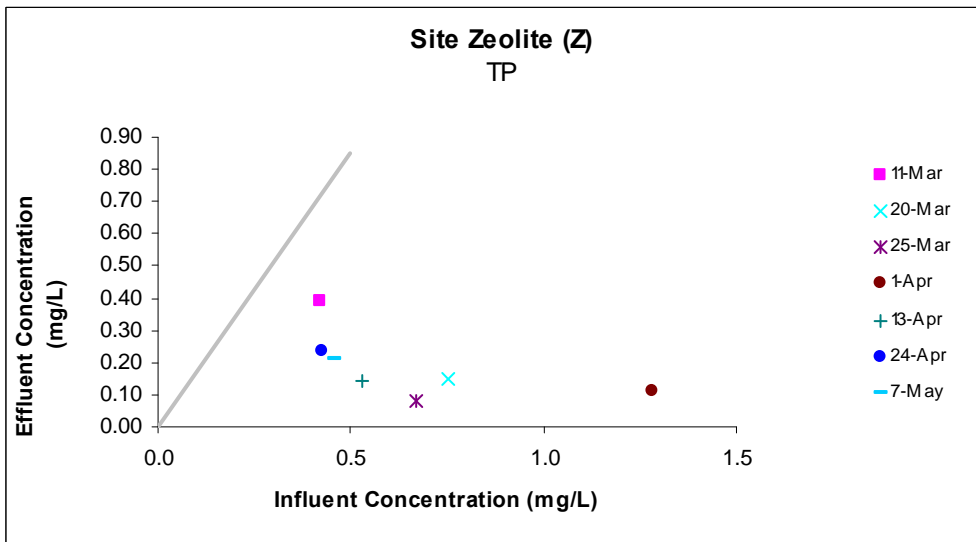
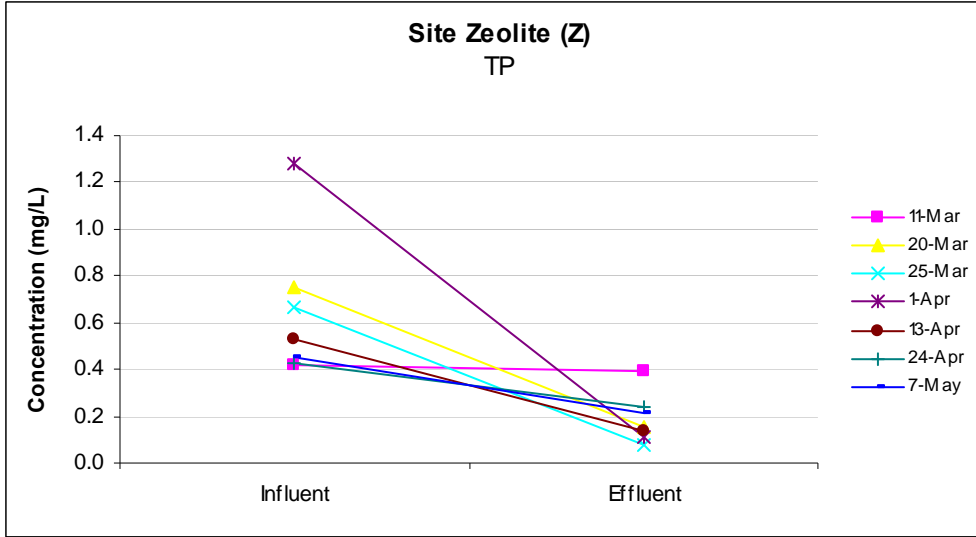
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.022	0.022	2.584	0.170
Residual	5.000	0.043	0.009		
Total	6.000	0.065			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.317	0.088	3.617	0.015	0.092	0.543	0.092	0.543
X Variable 1	-0.199	0.124	-1.601	0.170	-0.517	0.120	-0.517	0.120

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.234	0.156
2	0.168	-0.018
3	0.184	-0.104
4	0.063	0.047
5	0.212	-0.072
6	0.232	0.006
7	0.227	-0.015





# COD

## SUMMARY OUTPUT

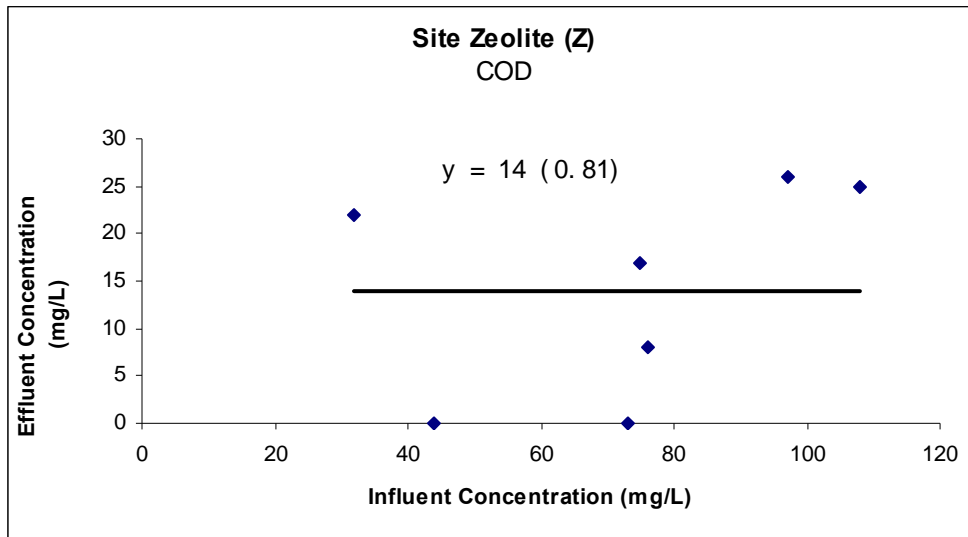
Regression Statistics	
Multiple R	0.408
R Square	0.165
Adjusted R Square	-0.002
Standard Error	11.313
Observations	7.000

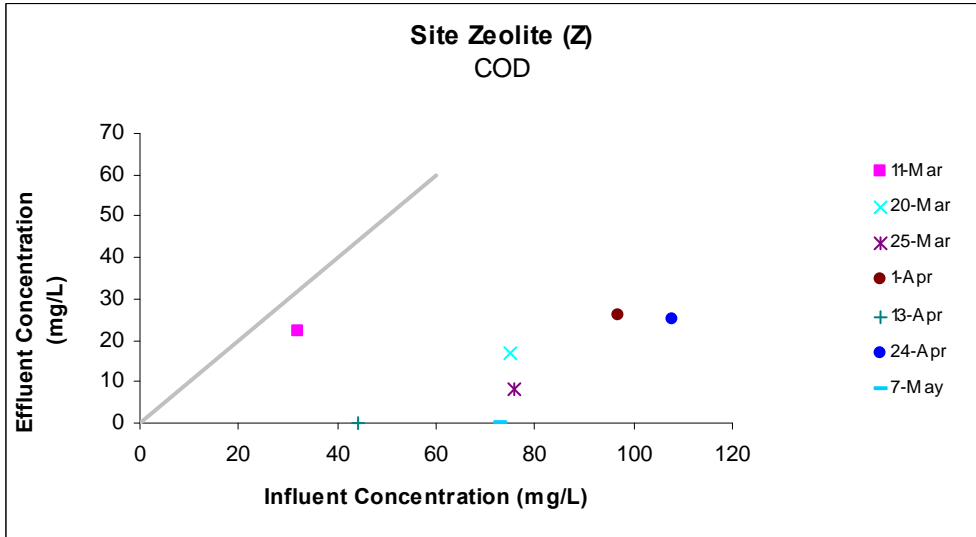
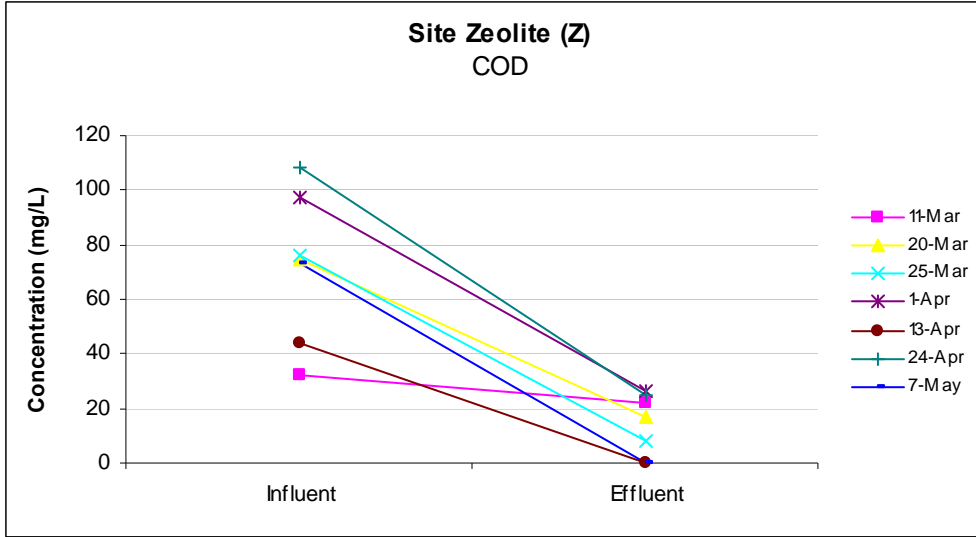
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	126.100	126.100	0.985	0.366
Residual	5.000	639.900	127.980		
Total	6.000	766.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	1.690	13.118	0.129	0.903	-32.031	35.411	-32.031	35.411
X Variable 1	0.171	0.172	0.993	0.366	-0.271	0.613	-0.271	0.613

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	7.150	14.650
2	14.488	2.512
3	14.658	-6.658
4	18.242	7.758
5	9.198	-9.198
6	20.119	4.881
7	14.146	-14.146





# pH

## SUMMARY OUTPUT

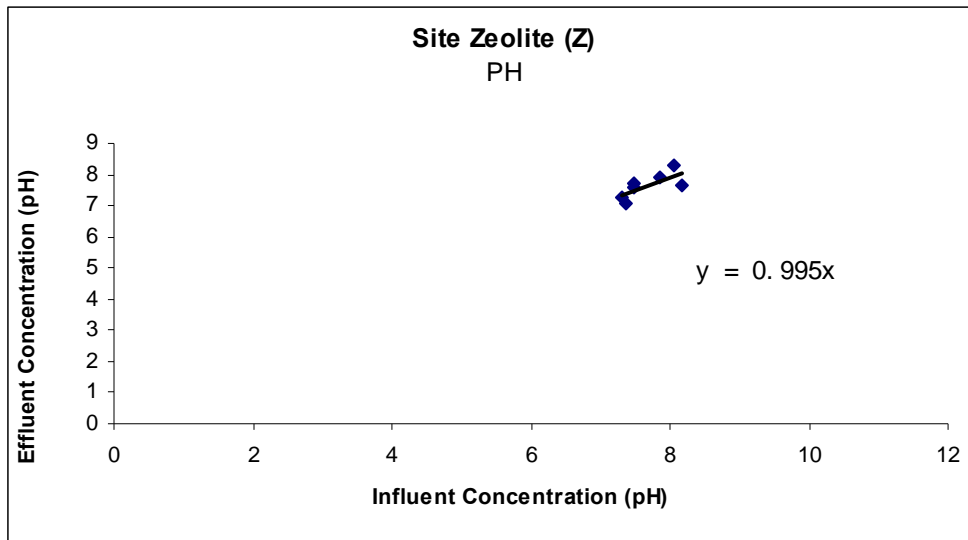
Regression Statistics	
Multiple R	0.999
R Square	0.999
Adjusted R Square	0.832
Standard Error	0.291
Observations	7.000

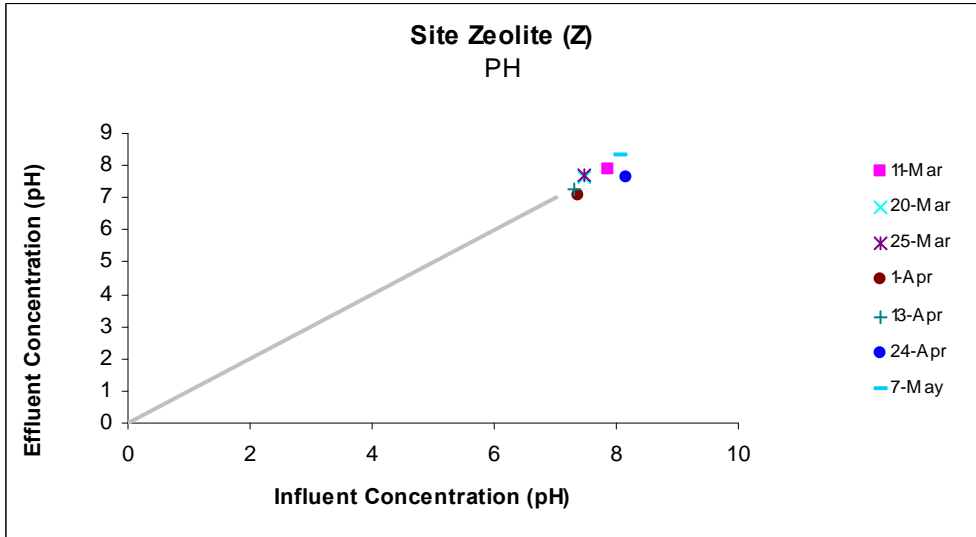
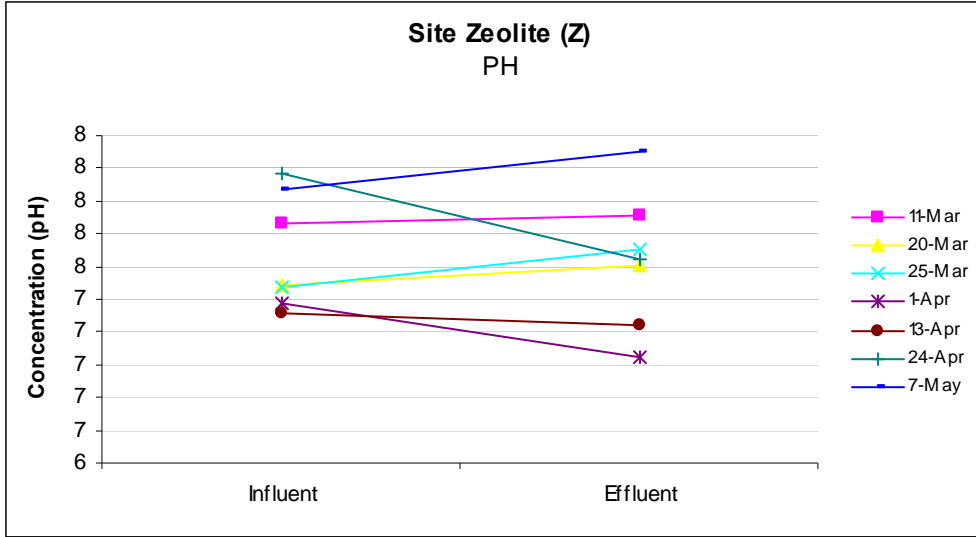
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	408.797	408.797	4835.502	0.000
Residual	6.000	0.507	0.085		
Total	7.000	409.304			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.995	0.014	69.538	0.000	0.960	1.030	0.960	1.030

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	7.817	0.093
2	7.439	0.171
3	7.429	0.281
4	7.330	-0.280
5	7.280	-0.040
6	8.125	-0.485
7	8.026	0.274





# Conductivity

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.183
R Square	0.034
Adjusted R Square	-0.180
Standard Error	43.900
Observations	7.000

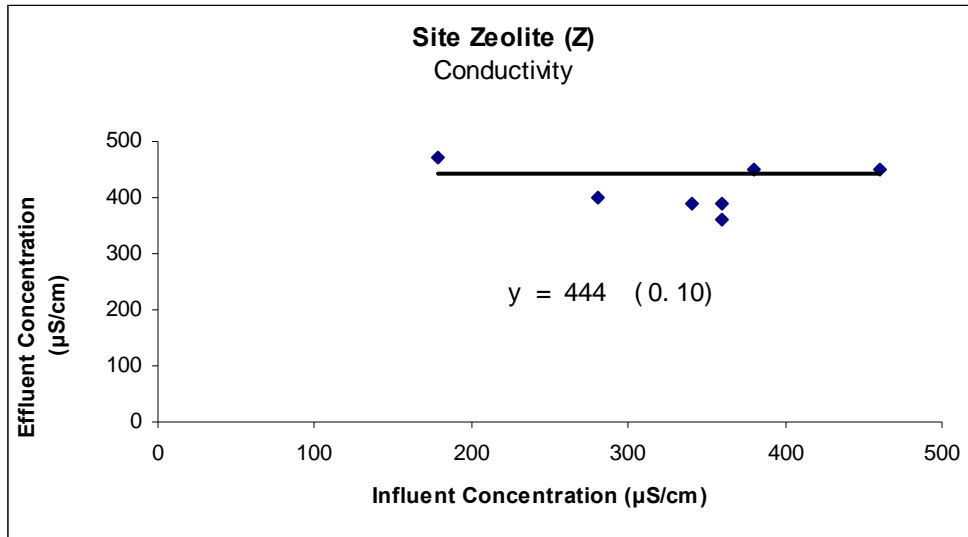
## ANOVA

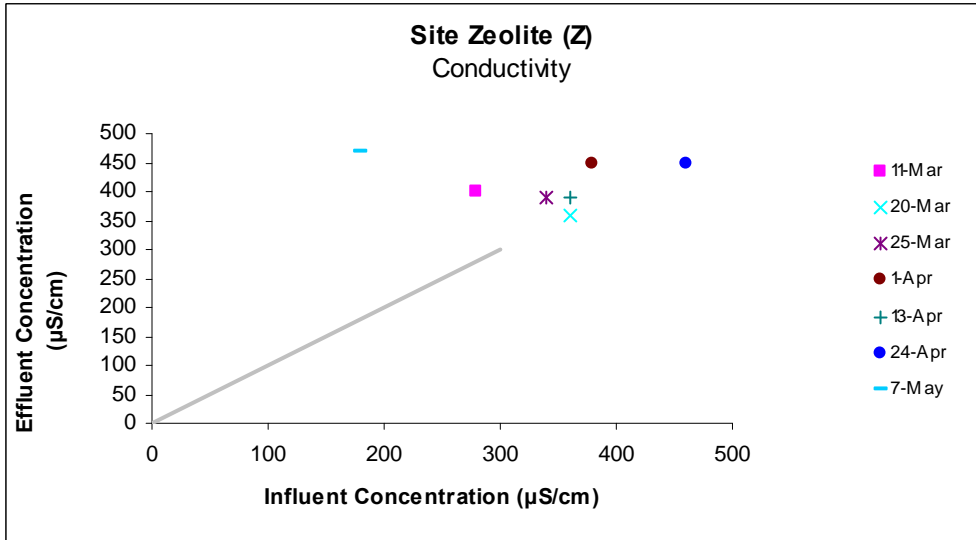
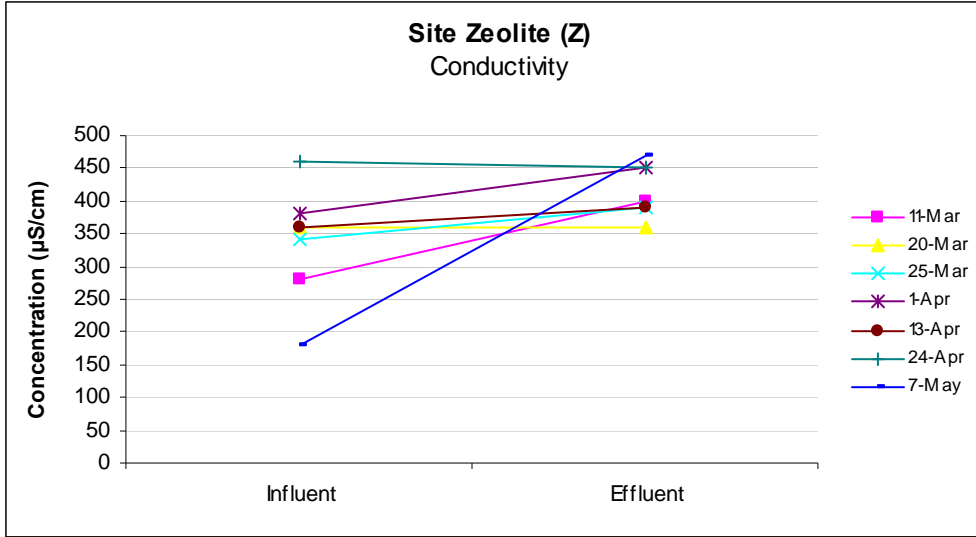
	df	SS	MS	F	Significance F
Regression	1.000	335.587	335.587	0.174	0.694
Residual	5.000	9635.841	1927.168		
Total	6.000	9971.429			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	444.418	70.758	6.281	0.002	262.528	626.308	262.528	626.308
X Variable 1	-0.085	0.204	-0.417	0.694	-0.610	0.440	-0.610	0.440

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	420.569	-20.569
2	413.755	-53.755
3	415.459	-25.459
4	412.052	37.948
5	413.755	-23.755
6	405.238	44.762
7	429.172	-40.828







# ORP

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.878
R Square	0.772
Adjusted R Square	0.726
Standard Error	7.418
Observations	7.000

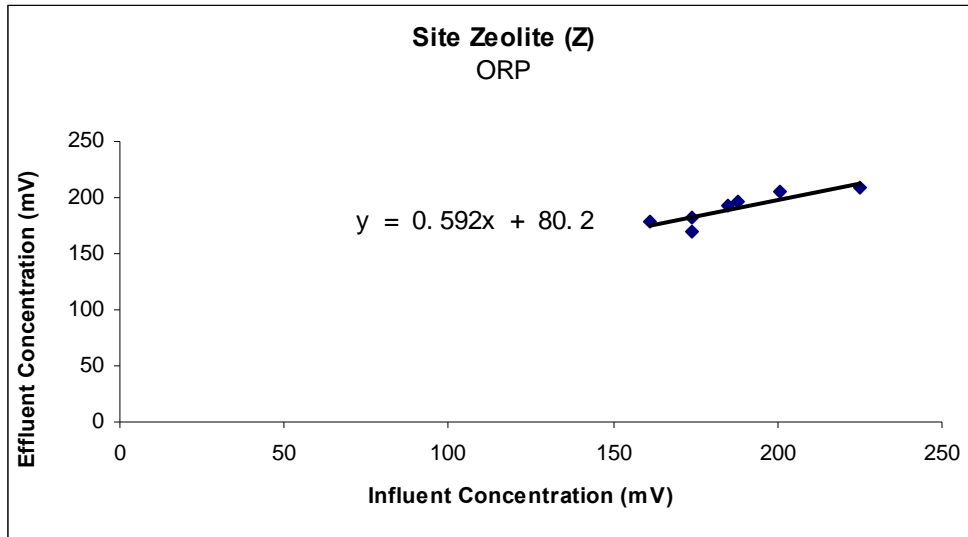
## ANOVA

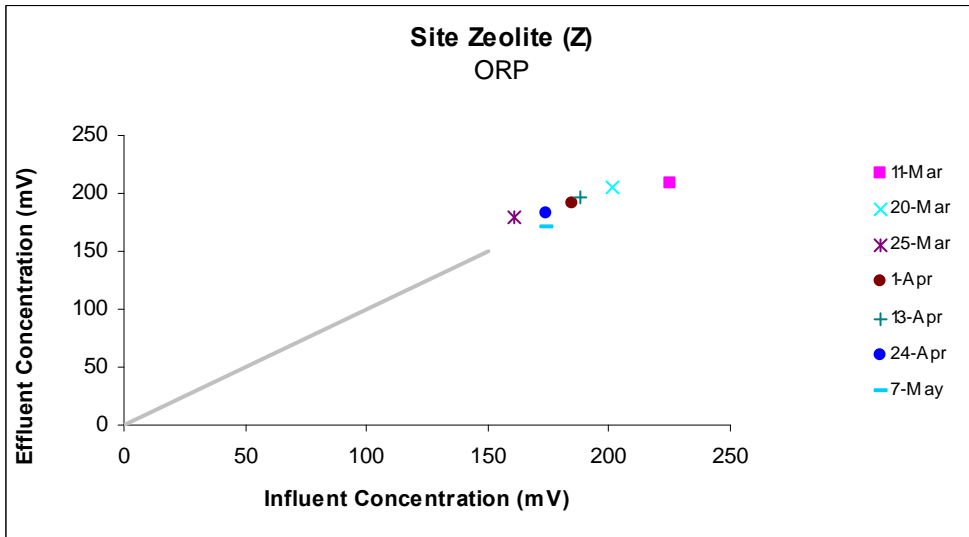
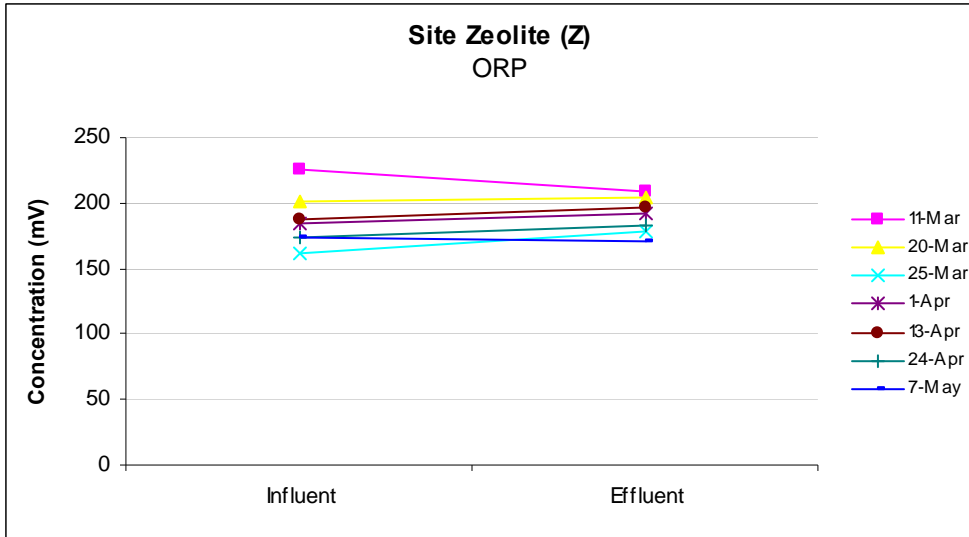
	df	SS	MS	F	Significance F
Regression	1.000	930.261	930.261	16.904	0.009
Residual	5.000	275.168	55.034		
Total	6.000	1205.429			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	80.188	27.029	2.967	0.031	10.709	149.668	10.709	149.668
X Variable 1	0.592	0.144	4.111	0.009	0.222	0.961	0.222	0.961

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	213.276	-4.276
2	199.080	5.920
3	175.420	3.580
4	189.616	2.384
5	191.390	5.610
6	183.109	-0.109
7	183.109	-13.109





# Color

## SUMMARY OUTPUT

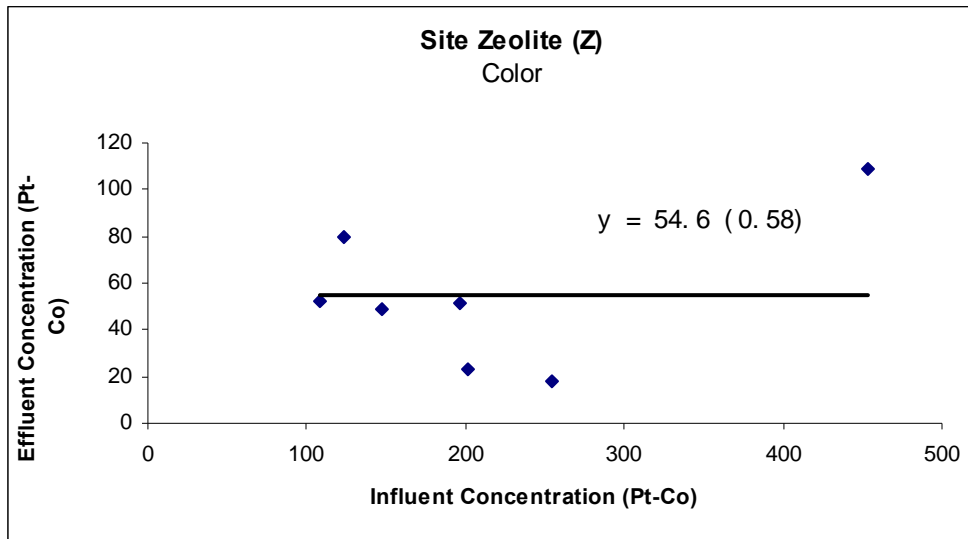
Regression Statistics	
Multiple R	0.462
R Square	0.213
Adjusted R Square	0.056
Standard Error	30.712
Observations	7.000

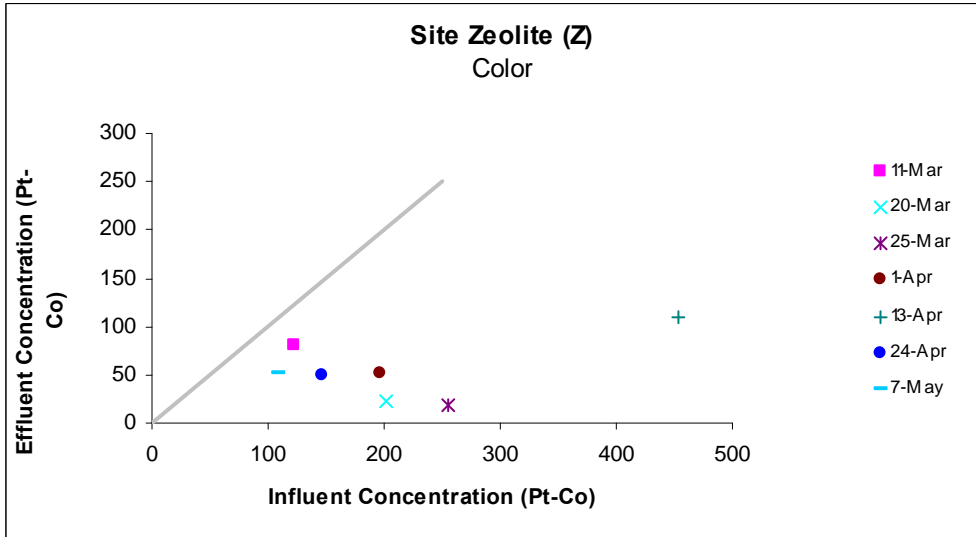
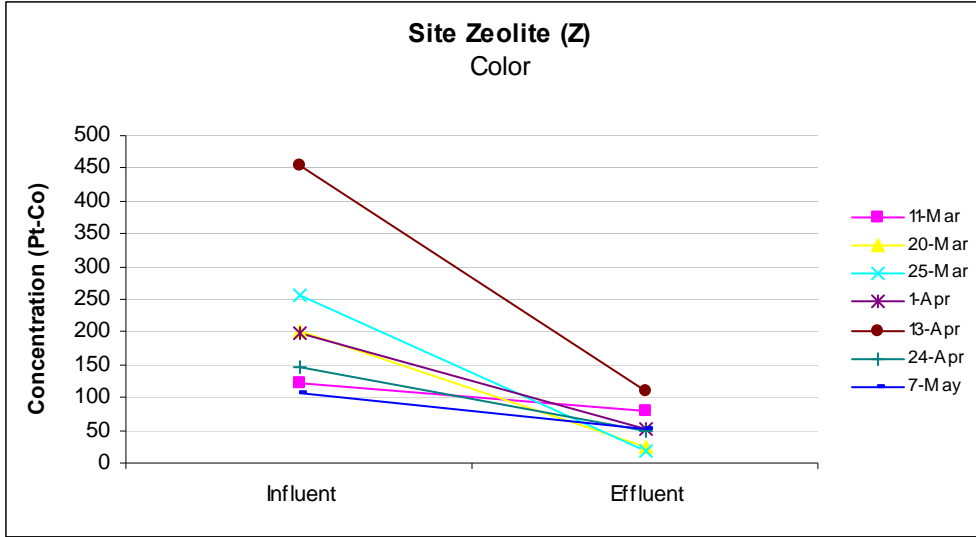
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	1277.510	1277.510	1.354	0.297
Residual	5.000	4716.205	943.241		
Total	6.000	5993.714			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	28.308	25.378	1.115	0.315	-36.929	93.544	-36.929	93.544
X Variable 1	0.124	0.106	1.164	0.297	-0.150	0.398	-0.150	0.398

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	43.546	36.454
2	53.209	-30.209
3	59.899	-41.899
4	52.713	-1.713
5	84.428	24.572
6	46.519	2.481
7	41.687	10.313





# Fluoride

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.124
R Square	0.015
Adjusted R Square	-0.182
Standard Error	0.493
Observations	7.000

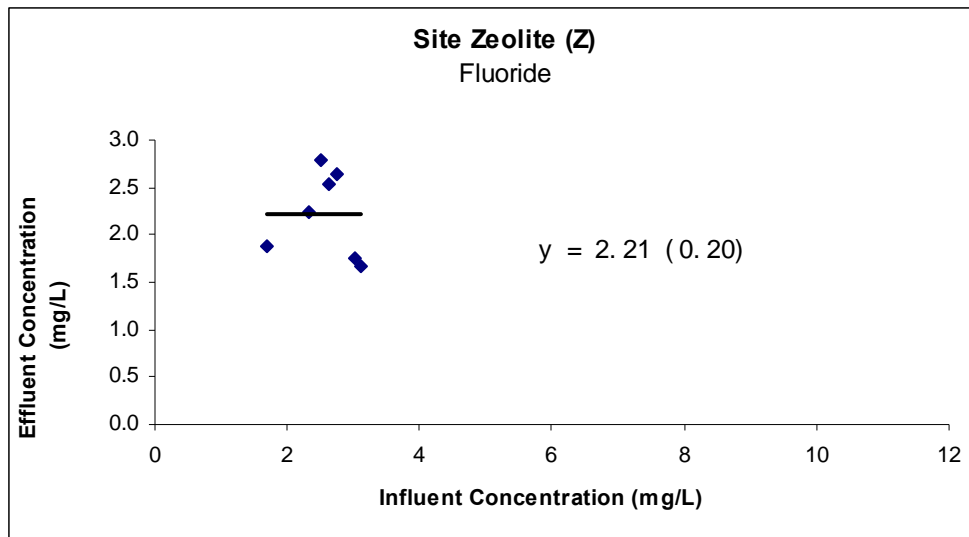
## ANOVA

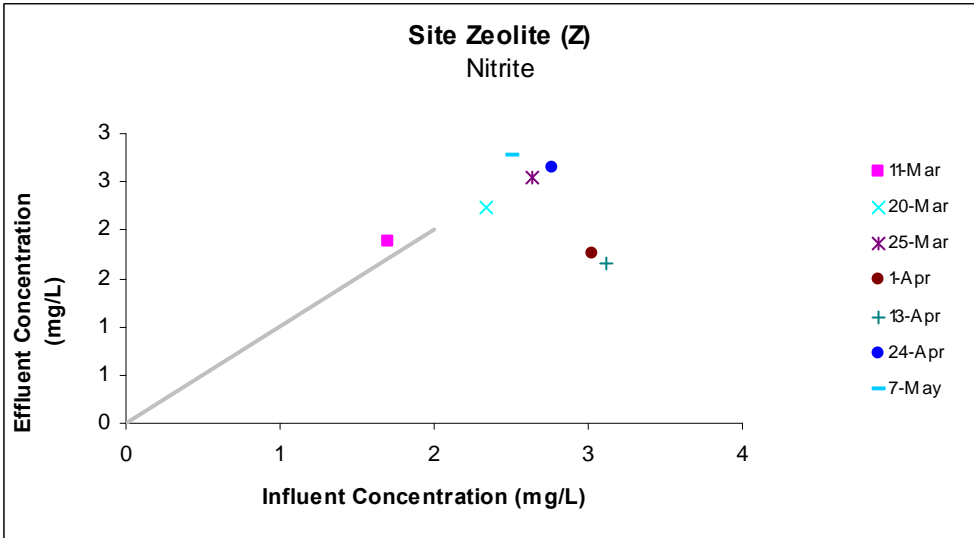
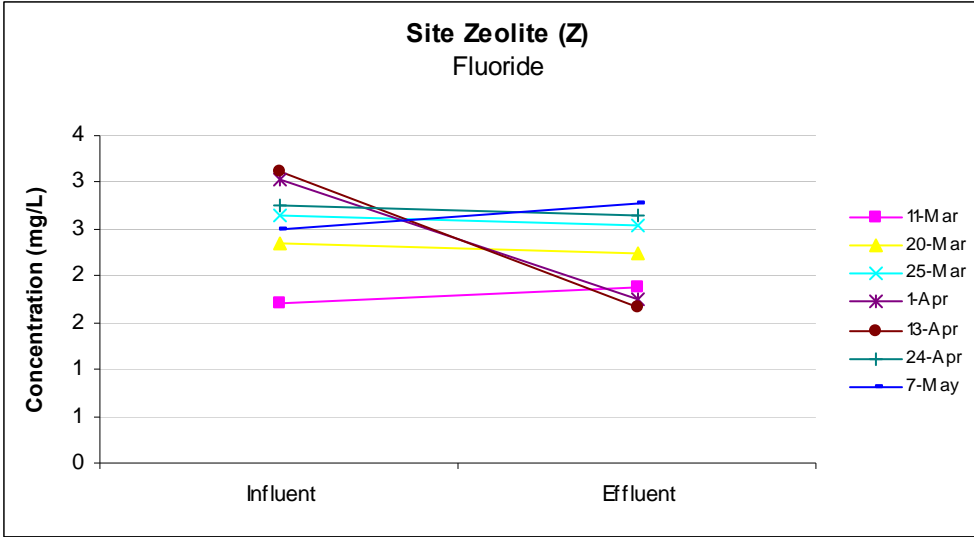
	df	SS	MS	F	Significance F
Regression	1.000	0.019	0.019	0.078	0.791
Residual	5.000	1.214	0.243		
Total	6.000	1.233			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	2.519	1.108	2.274	0.072	-0.328	5.366	-0.328	5.366
X Variable 1	-0.118	0.423	-0.279	0.791	-1.204	0.969	-1.204	0.969

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	2.318	-0.438
2	2.243	-0.003
3	2.208	0.332
4	2.163	-0.403
5	2.151	-0.491
6	2.193	0.447
7	2.224	0.556





# Sulfate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.071
R Square	0.005
Adjusted R Square	-0.194
Standard Error	3.364
Observations	7.000

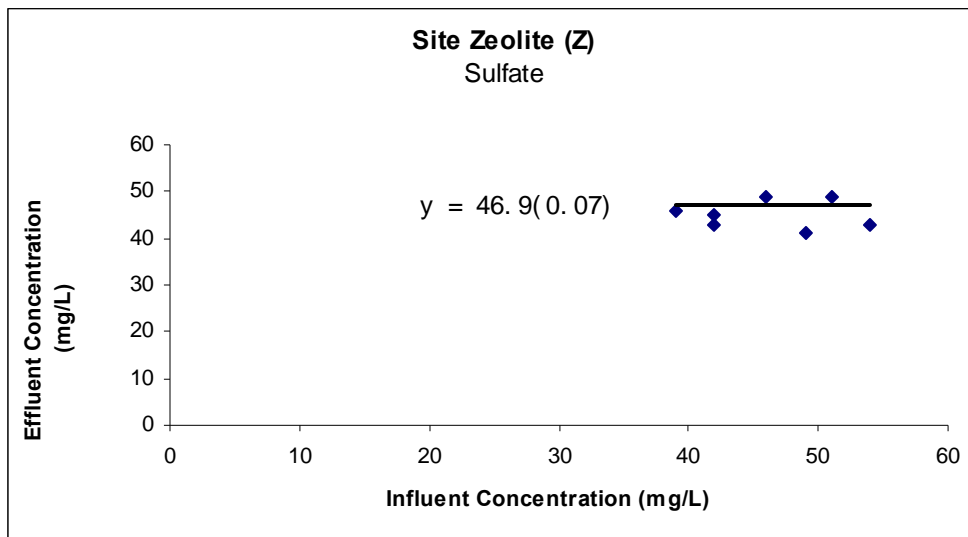
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.285	0.285	0.025	0.880
Residual	5.000	56.572	11.314		
Total	6.000	56.857			

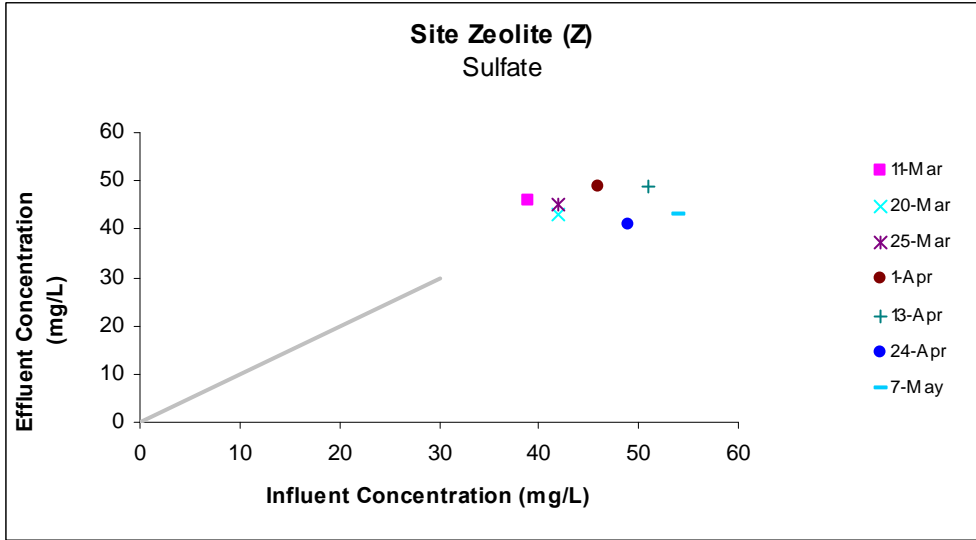
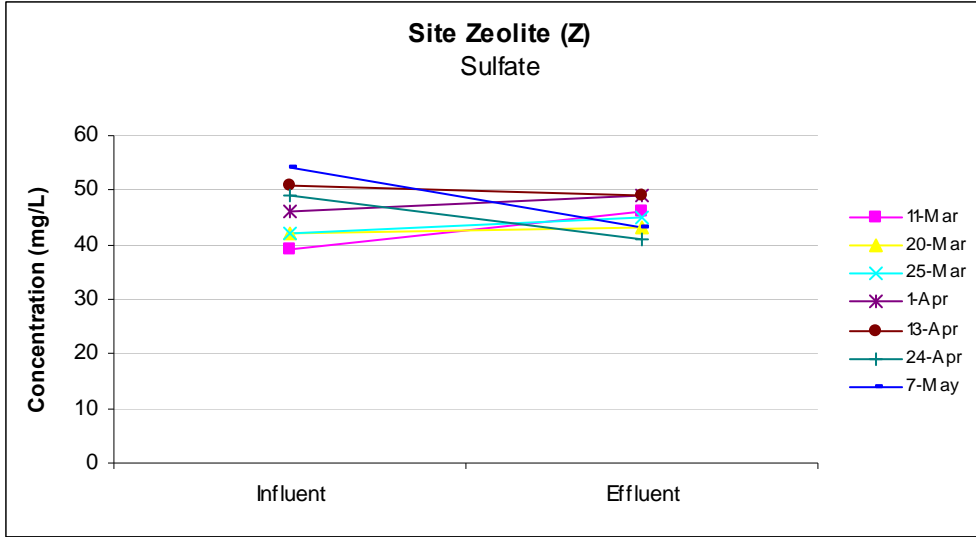
  

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	46.986	11.675	4.024	0.010	16.974	76.997	16.974	76.997
X Variable 1	-0.040	0.252	-0.159	0.880	-0.686	0.607	-0.686	0.607

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	45.428	0.572
2	45.308	-2.308
3	45.308	-0.308
4	45.149	3.851
5	44.949	4.051
6	45.029	-4.029
7	44.829	-1.829







# Phosphate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.103
R Square	0.011
Adjusted R Square	-0.187
Standard Error	0.208
Observations	7.000

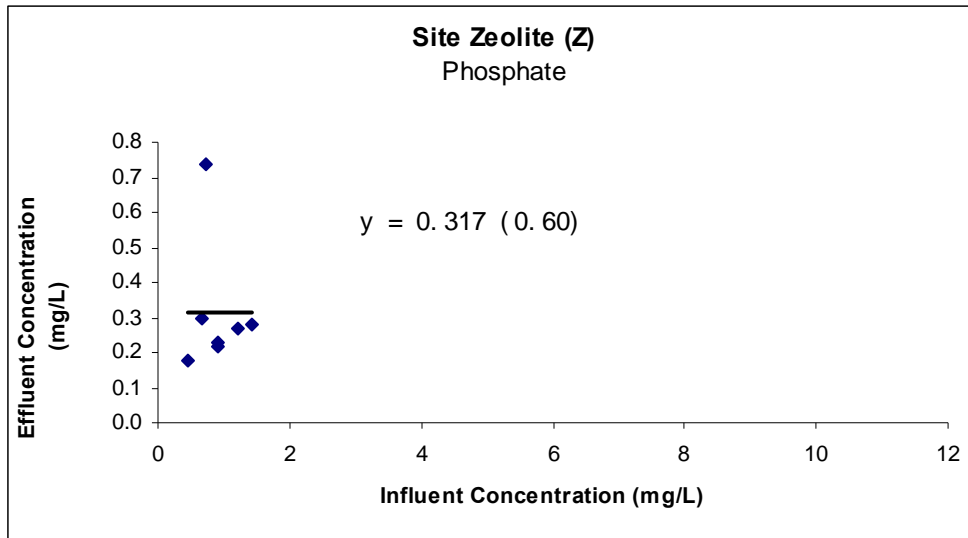
## ANOVA

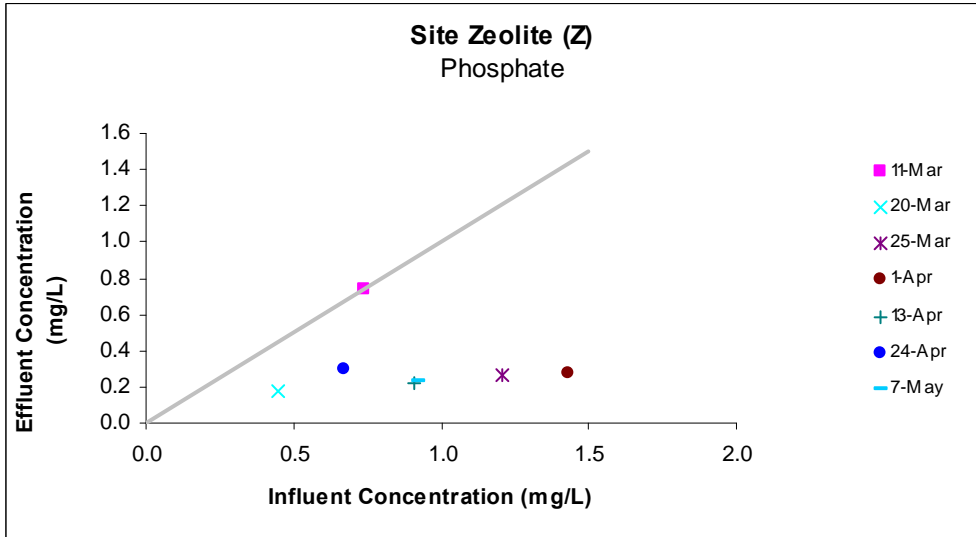
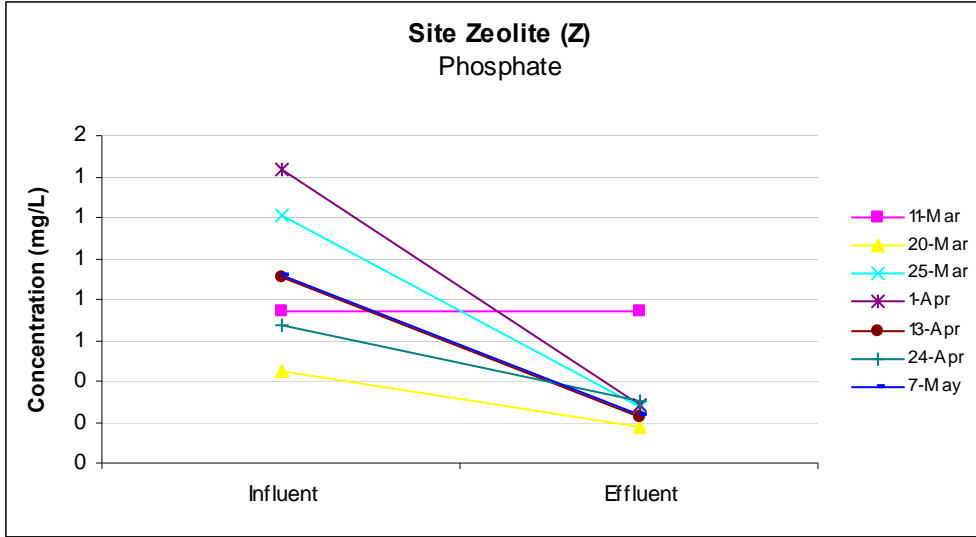
	df	SS	MS	F	Significance F
Regression	1.000	0.002	0.002	0.053	0.826
Residual	5.000	0.216	0.043		
Total	6.000	0.219			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.371	0.245	1.515	0.190	-0.258	1.000	-0.258	1.000
X Variable 1	-0.059	0.256	-0.231	0.826	-0.718	0.600	-0.718	0.600

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.327	0.413
2	0.344	-0.164
3	0.299	-0.029
4	0.286	-0.006
5	0.317	-0.097
6	0.331	-0.031
7	0.316	-0.086





# TN

## SUMMARY OUTPUT

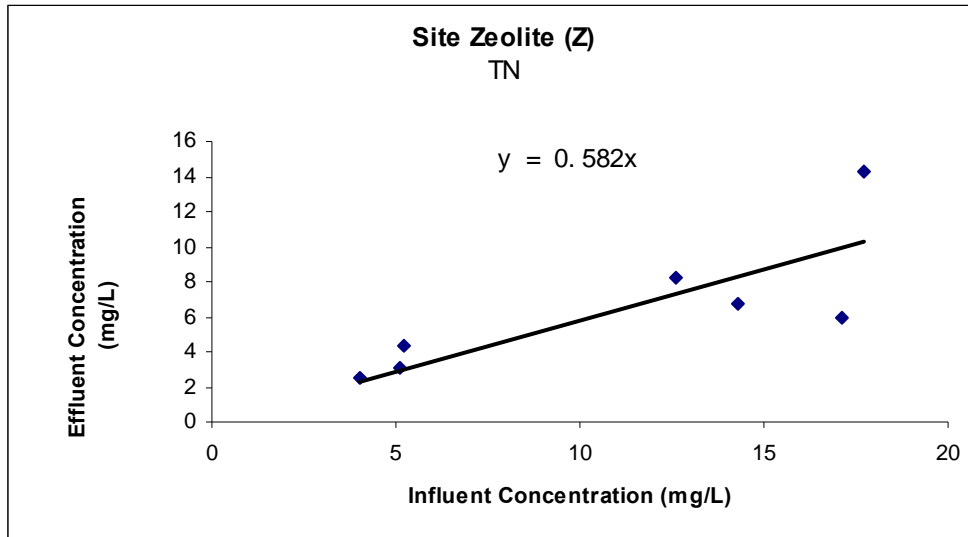
Regression Statistics	
Multiple R	0.952
R Square	0.906
Adjusted R Square	0.740
Standard Error	2.461
Observations	7.000

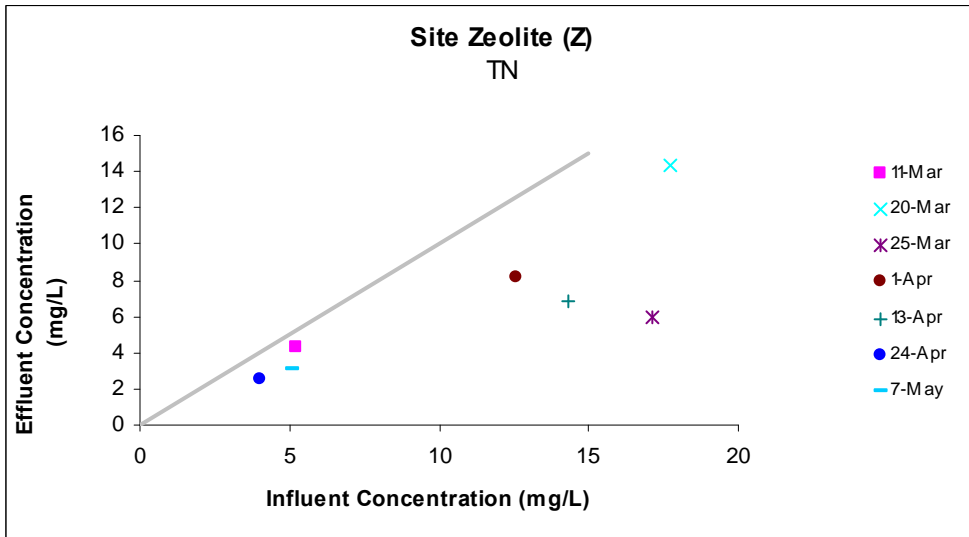
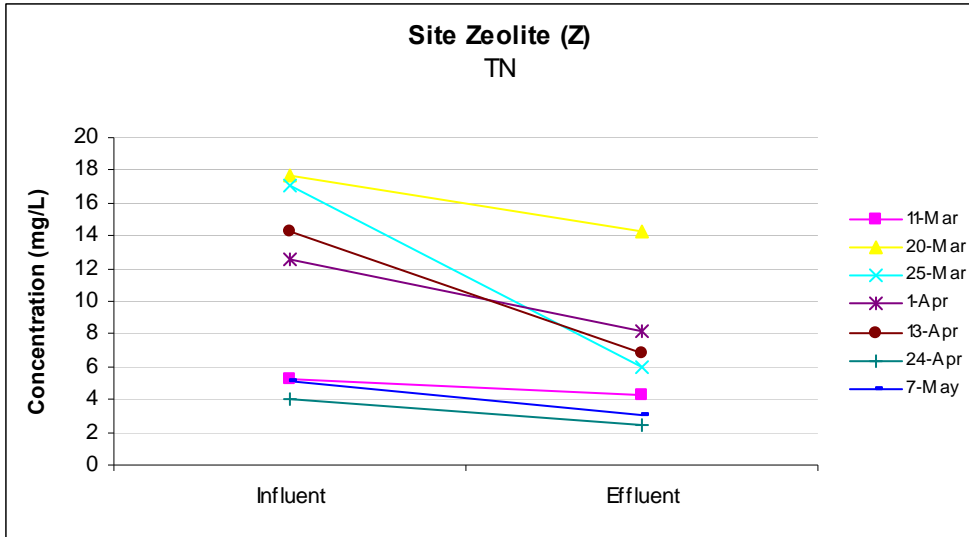
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	351.973	351.973	58.102	0.001
Residual	6.000	36.347	6.058		
Total	7.000	388.320			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.582	0.076	7.622	0.000	0.395	0.769	0.395	0.769

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	3.028	1.272
2	10.307	3.993
3	9.958	-3.858
4	7.337	0.863
5	8.327	-1.527
6	2.329	0.171
7	2.970	0.130





# UV 254

## SUMMARY OUTPUT

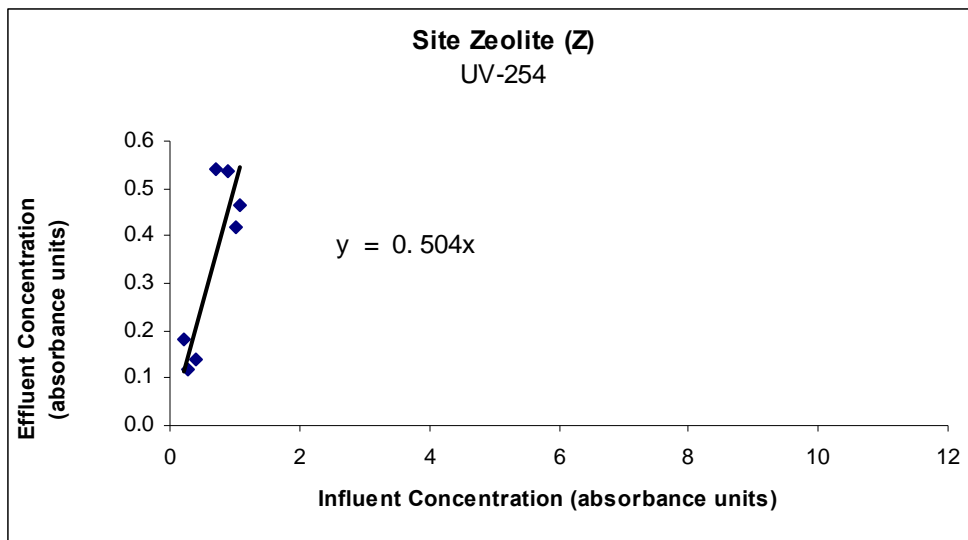
Regression Statistics	
Multiple F	0.967
R Square	0.936
Adjusted R	0.769
Standard Error	0.105
Observations	7.000

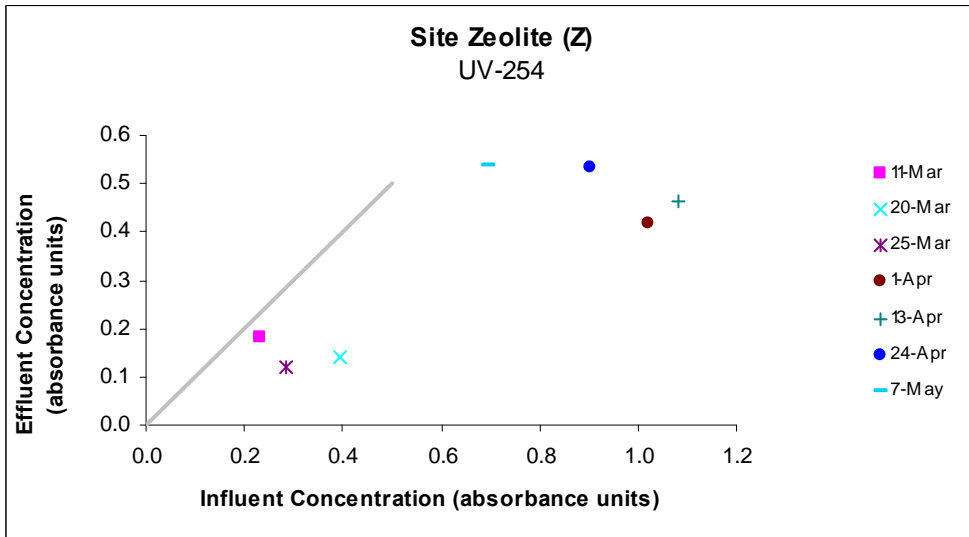
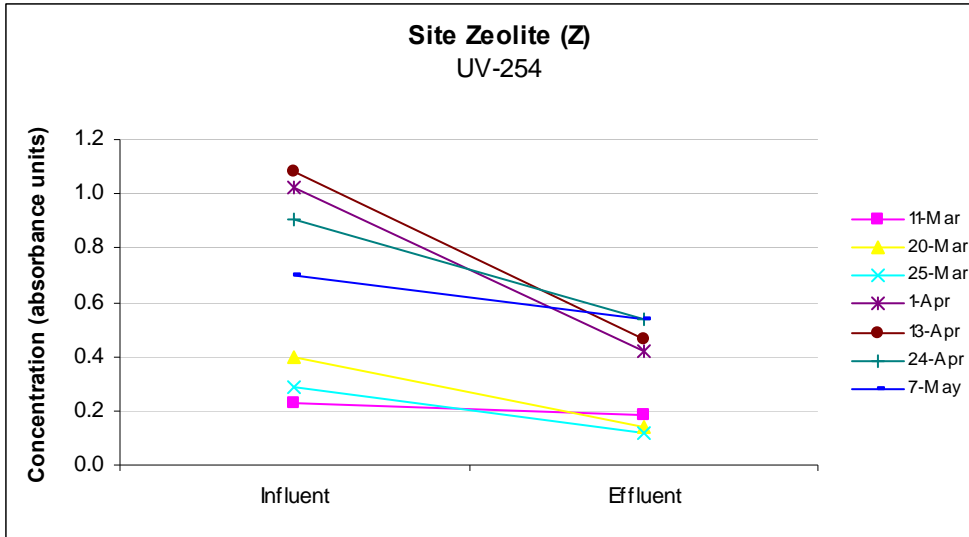
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.968	0.968	87.781	0.000
Residual	6.000	0.066	0.011		
Total	7.000	1.034			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable	0.504	0.054	9.369	0.000	0.372	0.636	0.372	0.636

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.116	0.066
2	0.199	-0.058
3	0.144	-0.026
4	0.514	-0.096
5	0.546	-0.082
6	0.456	0.079
7	0.351	0.188





# Chloride

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.034
R Square	0.001
Adjusted R Square	-0.199
Standard Error	4.040
Observations	7.000

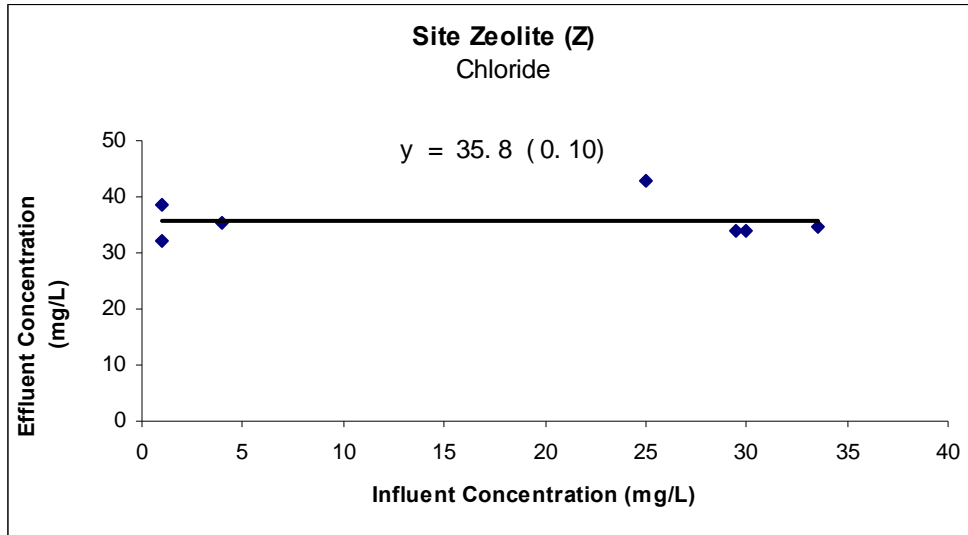
## ANOVA

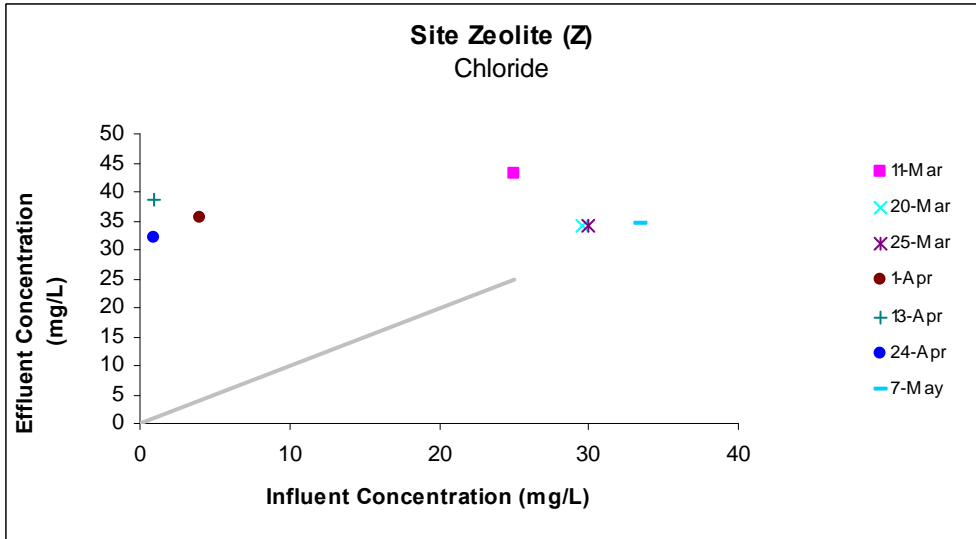
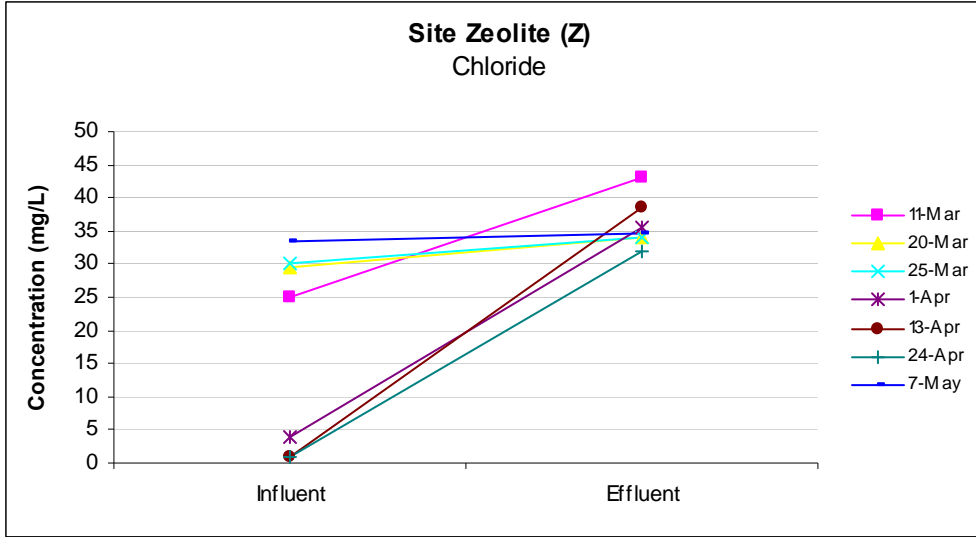
	df	SS	MS	F	Significance F
Regression	1.000	0.092	0.092	0.006	0.943
Residual	5.000	81.622	16.324		
Total	6.000	81.714			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	35.782	2.482	14.419	0.000	29.403	42.161	29.403	42.161
X Variable 1	0.008	0.110	0.075	0.943	-0.276	0.292	-0.276	0.292

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	35.989	7.011
2	36.026	-2.026
3	36.030	-2.030
4	35.815	-0.315
5	35.790	2.710
6	35.790	-3.790
7	36.060	-1.560







# Hardness

## SUMMARY OUTPUT

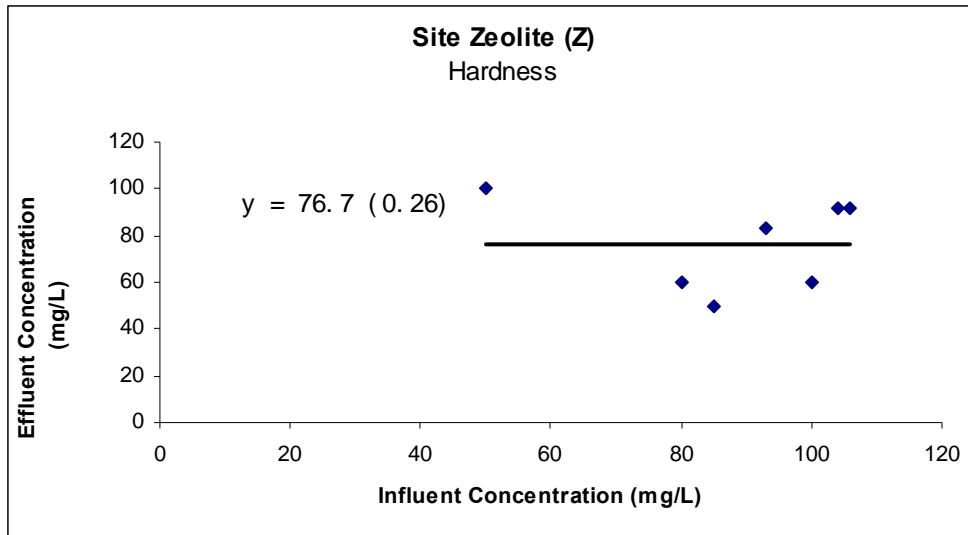
Regression Statistics	
Multiple R	0.140
R Square	0.020
Adjusted R Square	-0.177
Standard Error	21.336
Observations	7.000

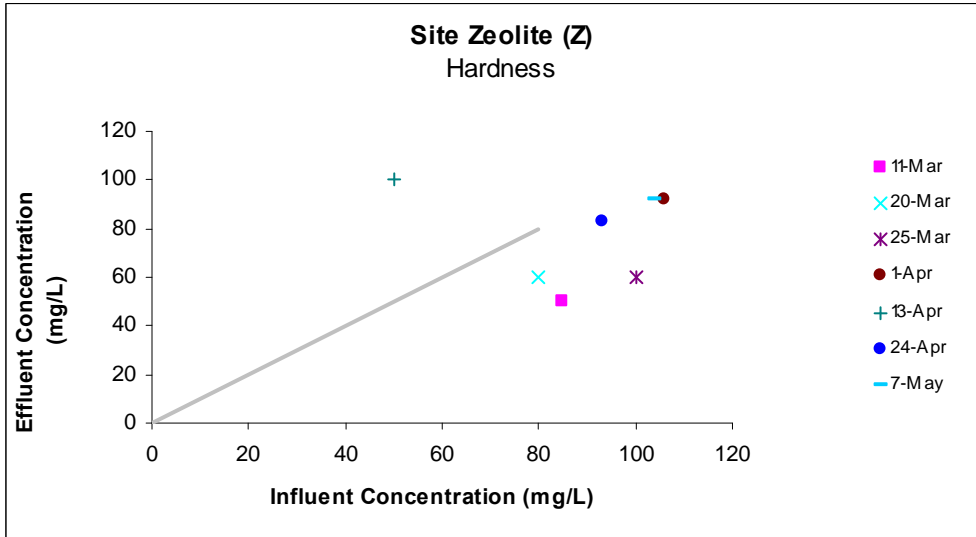
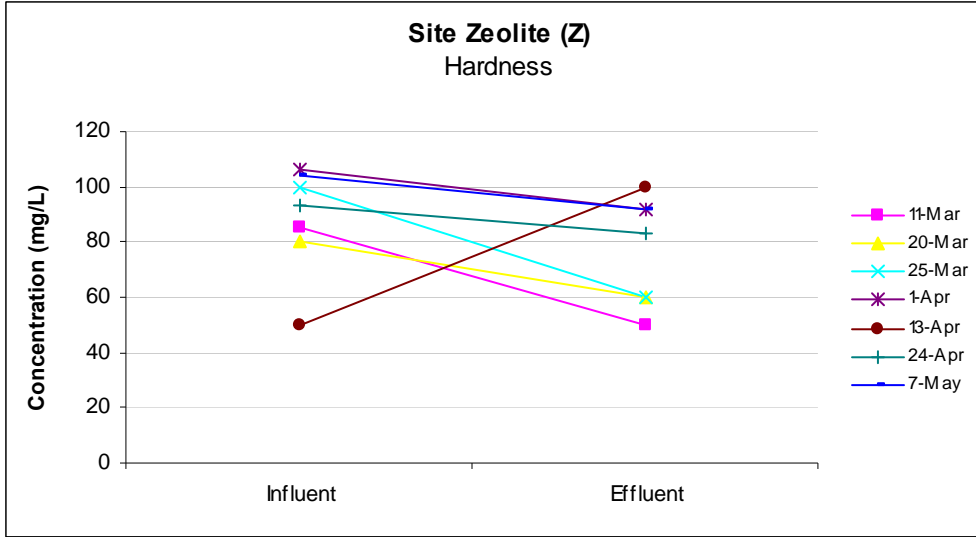
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	45.322	45.322	0.100	0.765
Residual	5.000	2276.106	455.221		
Total	6.000	2321.429			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	89.202	40.389	2.209	0.078	-14.621	193.024	-14.621	193.024
X Variable 1	-0.141	0.448	-0.316	0.765	-1.294	1.011	-1.294	1.011

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	77.179	-27.179
2	77.886	-17.886
3	75.057	-15.057
4	74.209	17.791
5	82.130	17.870
6	76.047	6.953
7	74.492	17.508





# NO2+NO3

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.718
R Square	0.515
Adjusted R Square	0.418
Standard Error	0.439
Observations	7.000

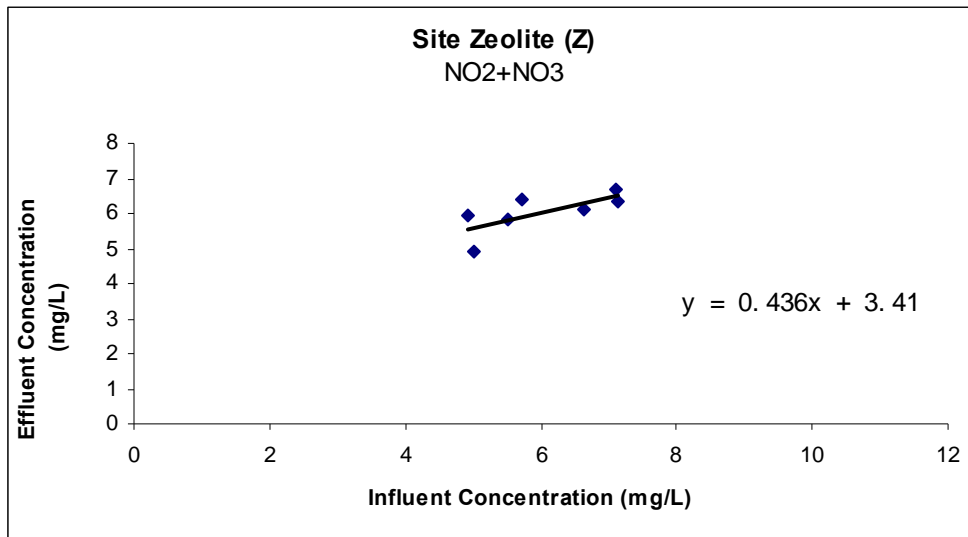
## ANOVA

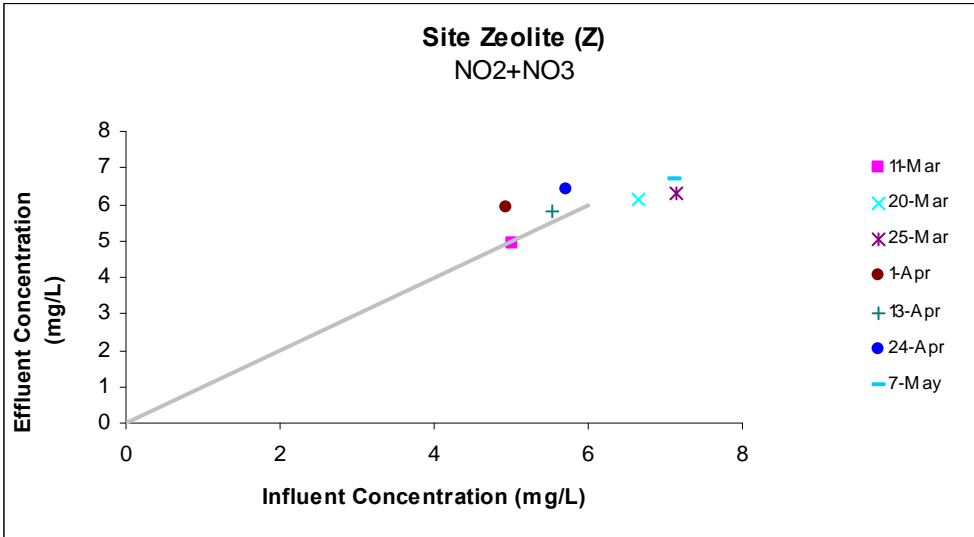
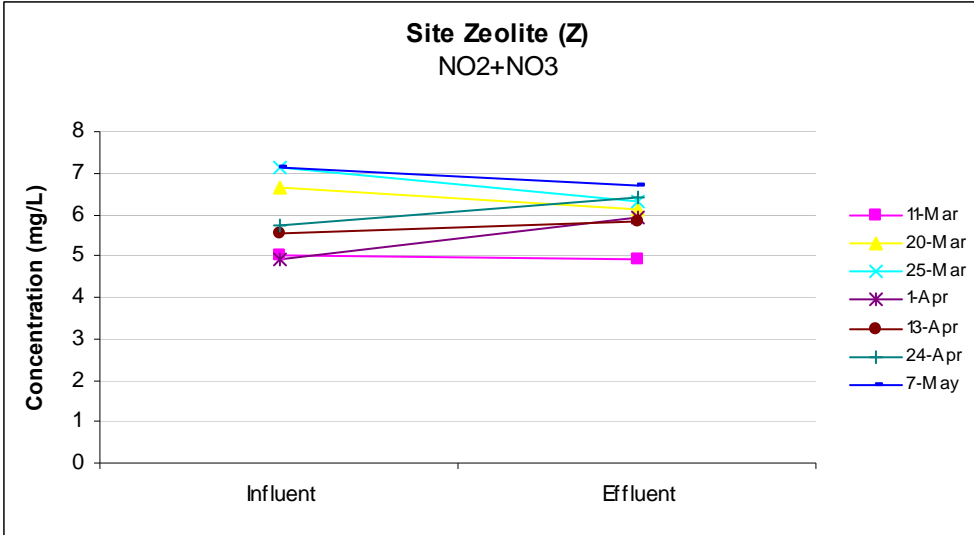
	df	SS	MS	F	Significance F
Regression	1.000	1.022	1.022	5.310	0.069
Residual	5.000	0.962	0.192		
Total	6.000	1.985			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	3.408	1.151	2.960	0.032	0.448	6.367	0.448	6.367
X Variable 1	0.436	0.189	2.304	0.069	-0.050	0.923	-0.050	0.923

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	5.599	-0.682
2	6.308	-0.181
3	6.526	-0.201
4	5.561	0.373
5	5.820	0.000
6	5.905	0.498
7	6.513	0.193





# Surface Modified Zeolite

## Nitrite

### SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.389
R Square	0.151
Adjusted R Square	-0.019
Standard Error	0.023
Observations	7.000

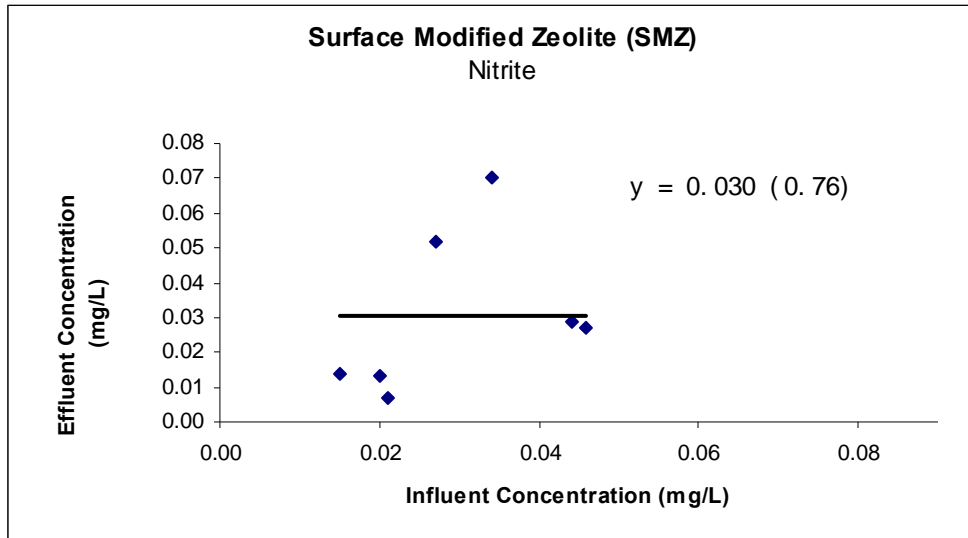
### ANOVA

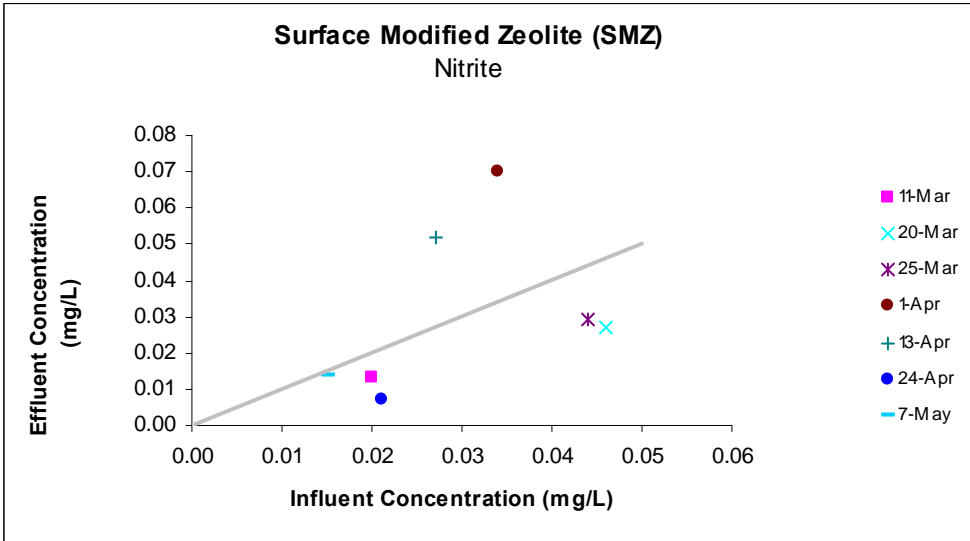
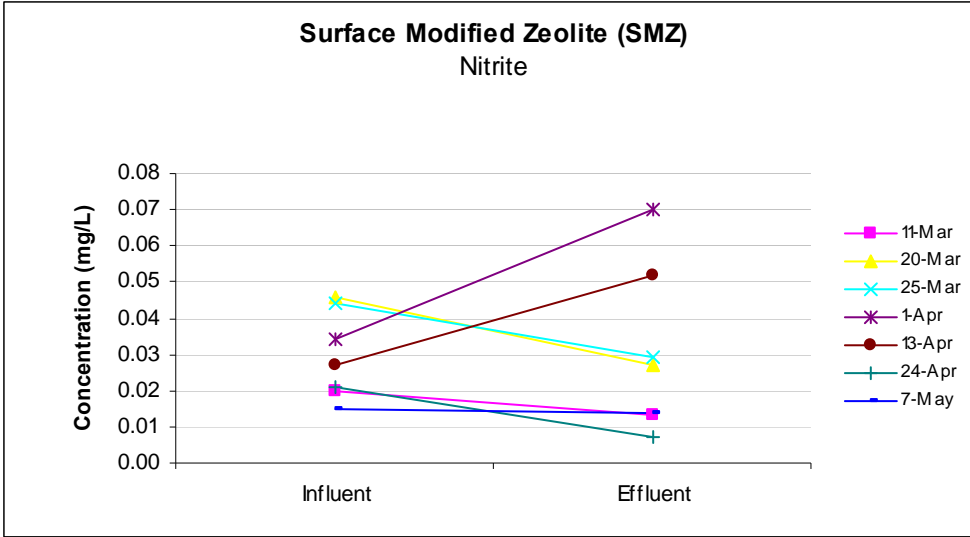
	df	SS	MS	F	Significance F
Regression	1.000	0.000	0.000	0.891	0.389
Residual	5.000	0.003	0.001		
Total	6.000	0.003			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.008	0.025	0.344	0.745	-0.055	0.072	-0.055	0.072
X Variable 1	0.737	0.781	0.944	0.389	-1.270	2.744	-1.270	2.744

### RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.023	-0.010
2	0.042	-0.015
3	0.041	-0.012
4	0.034	0.038
5	0.028	0.024
6	0.024	-0.017
7	0.020	-0.008





# Nitrate

## SUMMARY OUTPUT

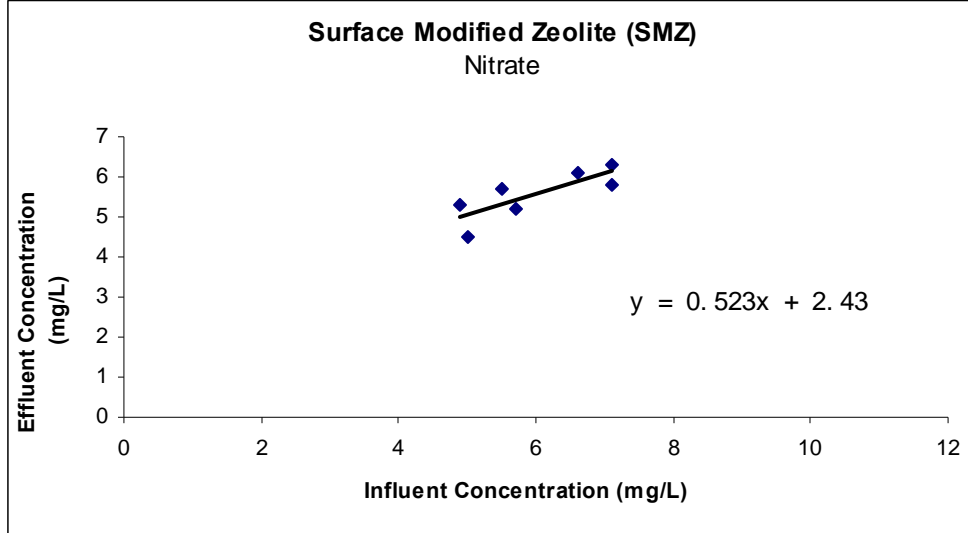
Regression Statistics	
Multiple R	0.807
R Square	0.651
Adjusted R Square	0.581
Standard Error	0.395
Observations	7.000

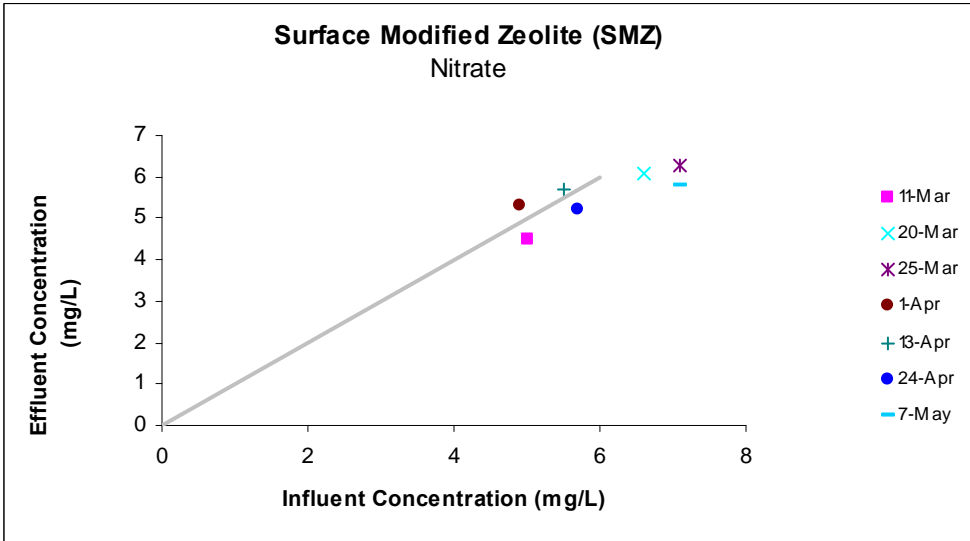
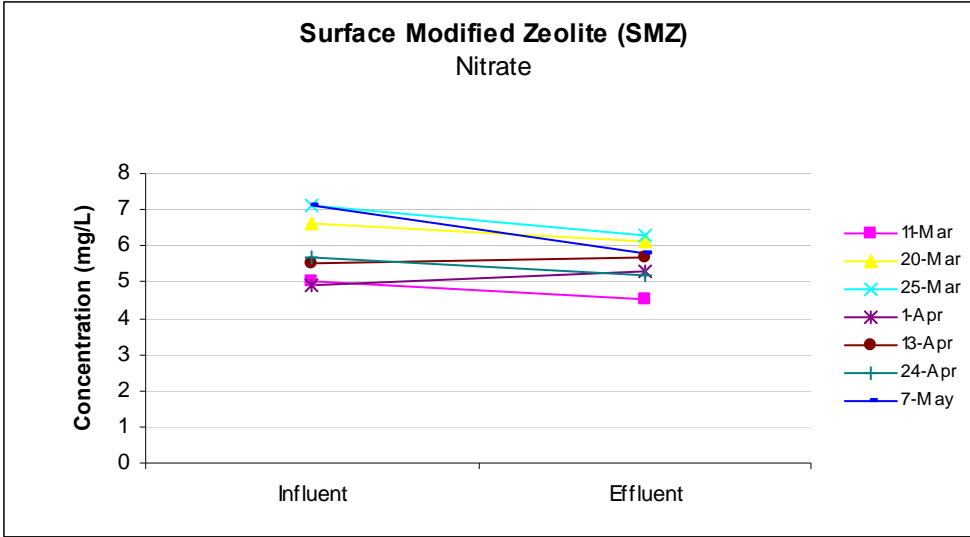
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	1.456	1.456	9.326	0.028
Residual	5.000	0.781	0.156		
Total	6.000	2.237			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	2.428	1.036	2.345	0.066	-0.234	5.090	-0.234	5.090
X Variable 1	0.523	0.171	3.054	0.028	0.083	0.963	0.083	0.963

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	5.042	-0.542
2	5.878	0.222
3	6.140	0.160
4	4.990	0.310
5	5.303	0.397
6	5.408	-0.208
7	6.140	-0.340







# Ammonia

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.641
R Square	0.411
Adjusted R Square	0.293
Standard Error	0.051
Observations	7.000

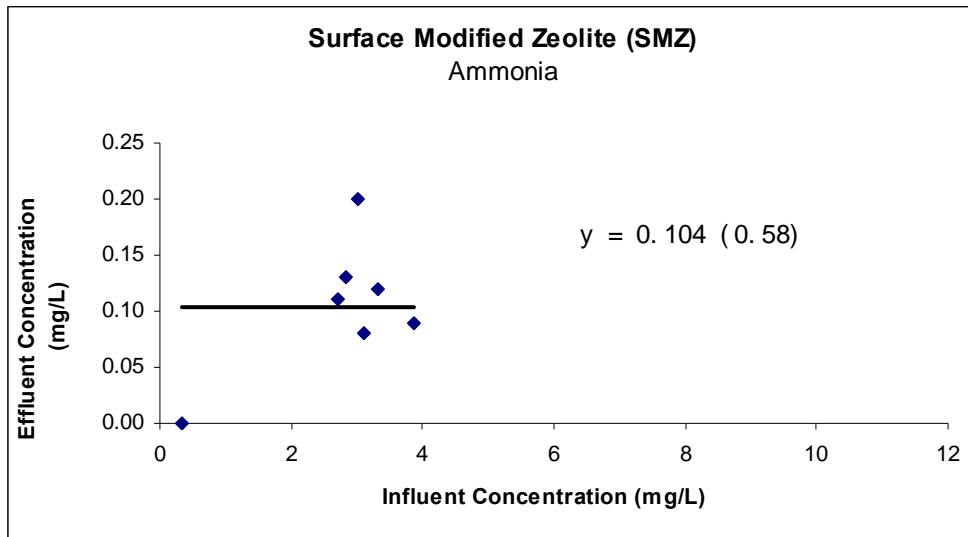
## ANOVA

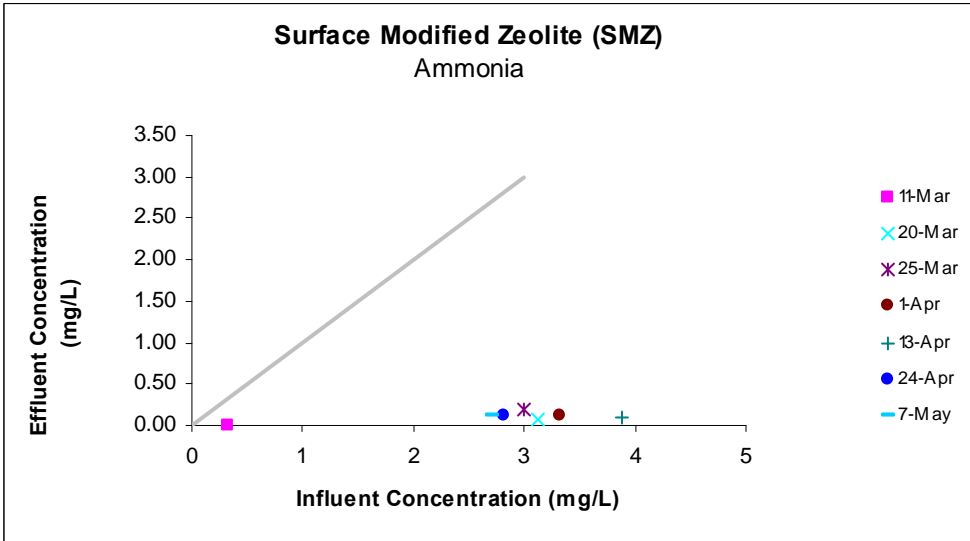
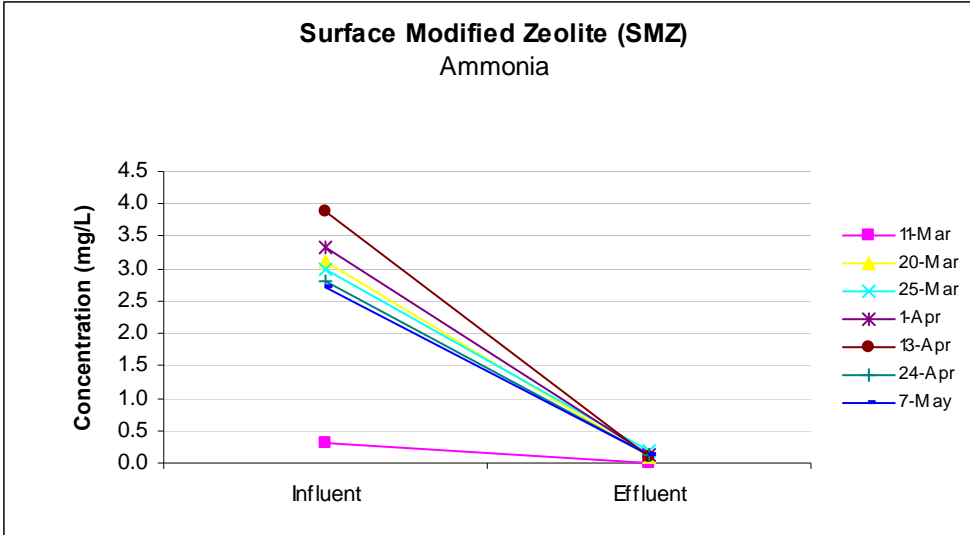
	df	SS	MS	F	Significance F
Regression	1.000	0.009	0.009	3.491	0.121
Residual	5.000	0.013	0.003		
Total	6.000	0.022			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.011	0.053	0.205	0.845	-0.126	0.148	-0.126	0.148
X Variable 1	0.034	0.018	1.869	0.121	-0.013	0.081	-0.013	0.081

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.022	-0.022
2	0.117	-0.037
3	0.113	0.087
4	0.124	-0.004
5	0.143	-0.053
6	0.107	0.023
7	0.103	0.007





# Total Phosphorus

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.687
R Square	0.472
Adjusted R Square	0.367
Standard Error	0.056
Observations	7.000

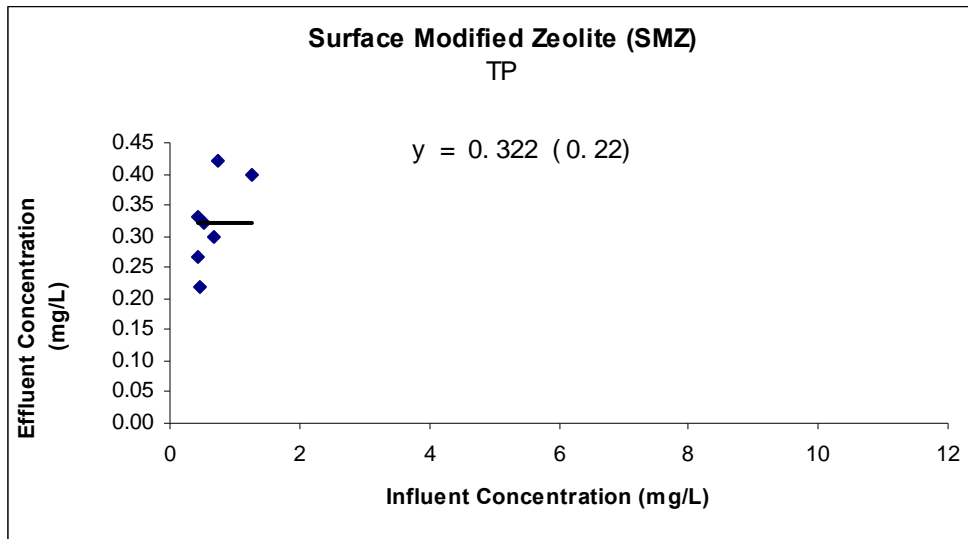
## ANOVA

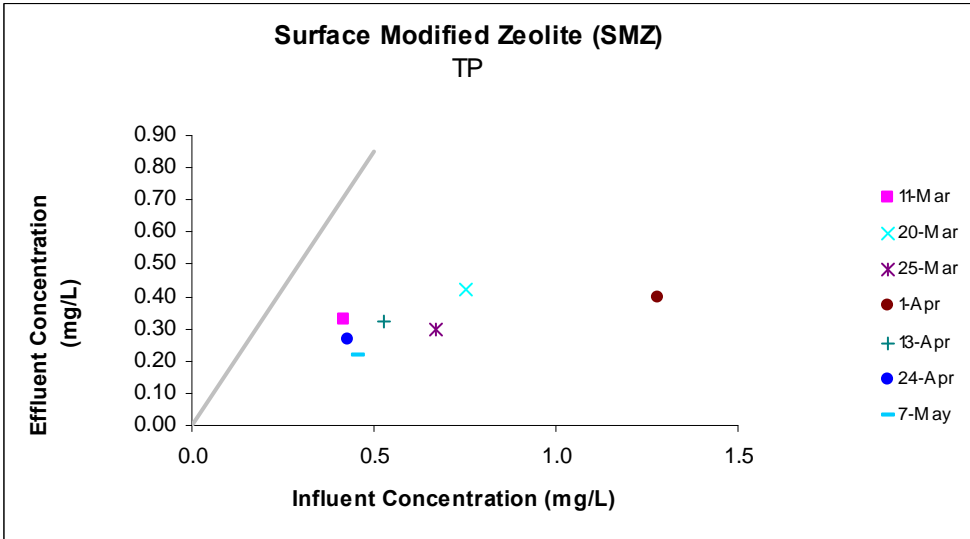
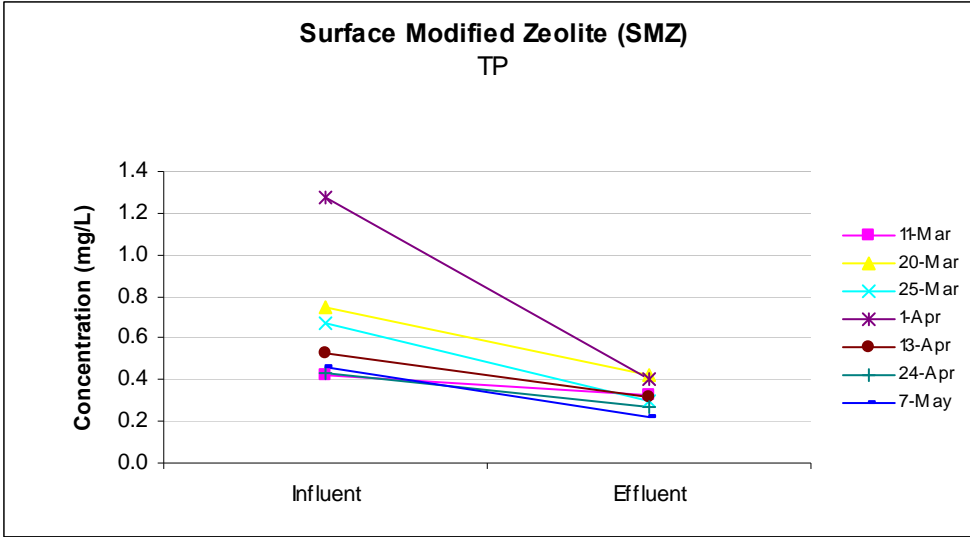
	df	SS	MS	F	Significance F
Regression	1.000	0.014	0.014	4.474	0.088
Residual	5.000	0.016	0.003		
Total	6.000	0.030			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.219	0.053	4.138	0.009	0.083	0.356	0.083	0.356
X Variable 1	0.159	0.075	2.115	0.088	-0.034	0.352	-0.034	0.352

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.286	0.044
2	0.338	0.082
3	0.326	-0.026
4	0.423	-0.023
5	0.304	0.016
6	0.287	-0.020
7	0.292	-0.073





# COD

## SUMMARY OUTPUT

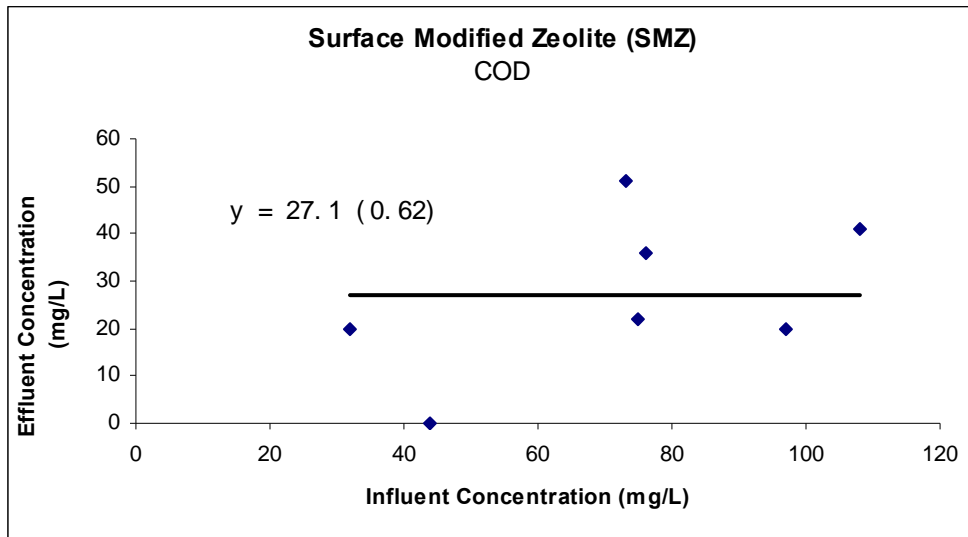
Regression Statistics	
Multiple R	0.519
R Square	0.269
Adjusted R Square	0.123
Standard Error	15.785
Observations	7.000

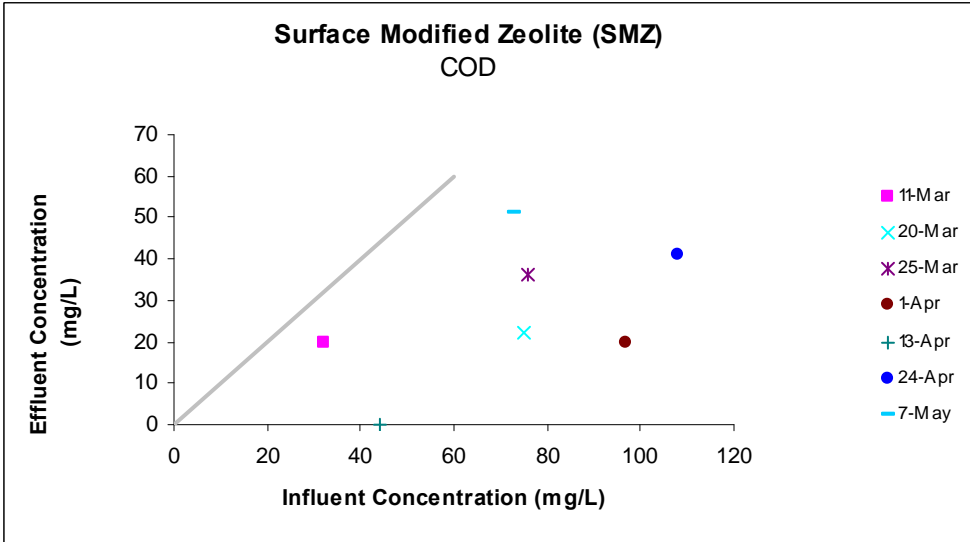
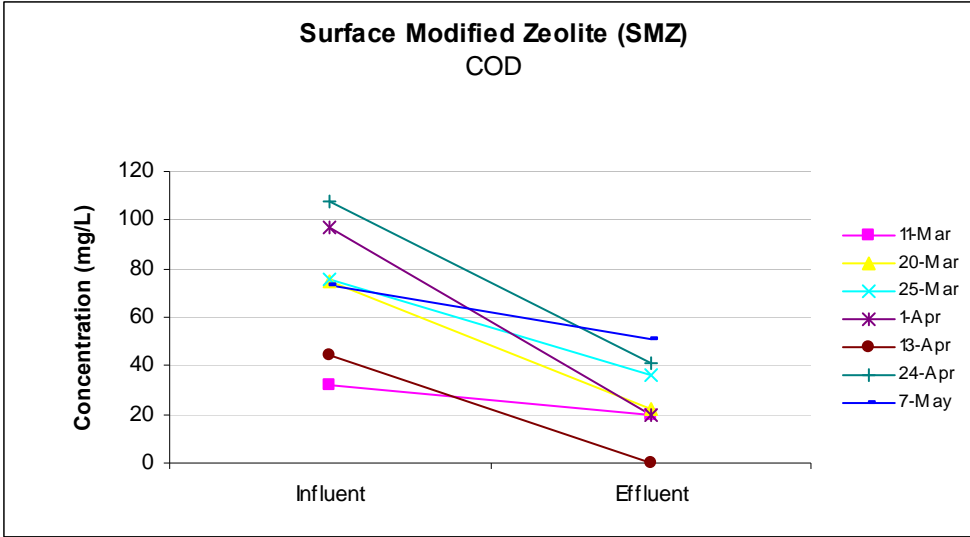
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	458.962	458.962	1.842	0.233
Residual	5.000	1245.896	249.179		
Total	6.000	1704.857			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	3.658	18.304	0.200	0.849	-43.395	50.710	-43.395	50.710
X Variable 1	0.326	0.240	1.357	0.233	-0.291	0.942	-0.291	0.942

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	14.075	5.925
2	28.073	-6.073
3	28.399	7.601
4	35.235	-15.235
5	17.981	-17.981
6	38.816	2.184
7	27.422	23.578





# pH

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.635
R Square	0.403
Adjusted R Square	0.283
Standard Error	0.501
Observations	7.000

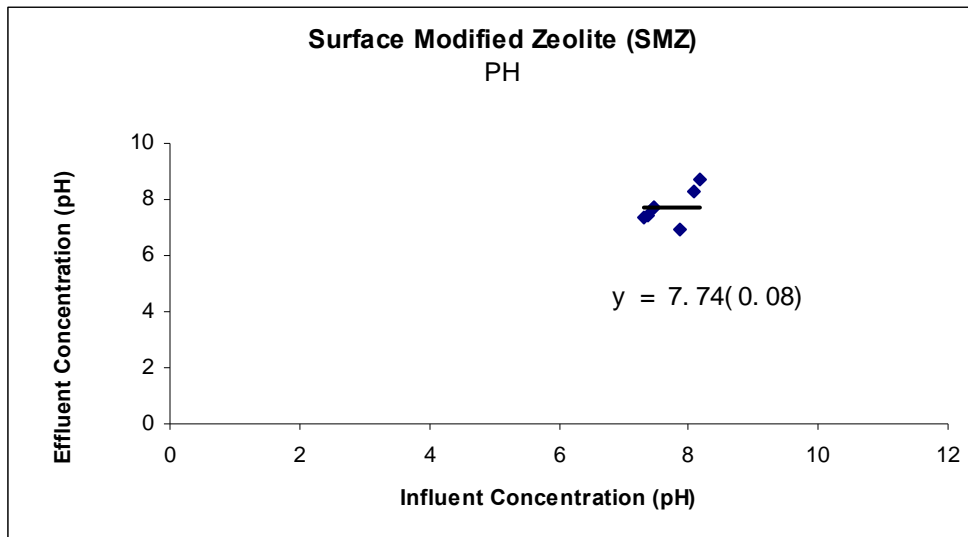
## ANOVA

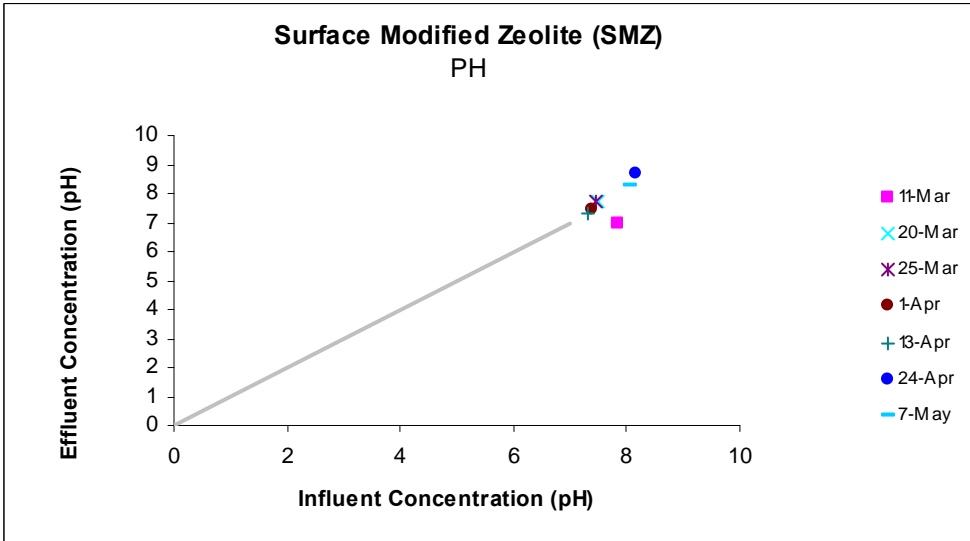
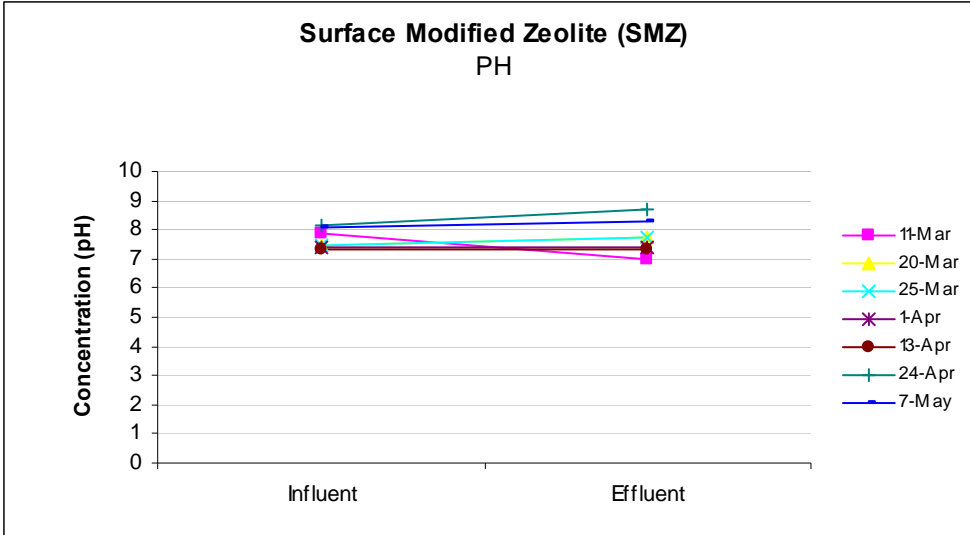
	df	SS	MS	F	Significance F
Regression	1.000	0.847	0.847	3.372	0.126
Residual	5.000	1.258	0.251		
Total	6.000	2.103			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-0.504	4.494	-0.112	0.915	-12.057	11.049	-12.057	11.049
X Variable 1	1.074	0.585	1.836	0.126	-0.429	2.578	-0.429	2.578

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	7.938	-0.978
2	7.530	0.210
3	7.519	0.221
4	7.412	0.008
5	7.358	-0.018
6	8.271	0.439
7	8.163	0.117







# Conductivity

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.208
R Square	0.043
Adjusted R Square	-0.148
Standard Error	60.588
Observations	7.000

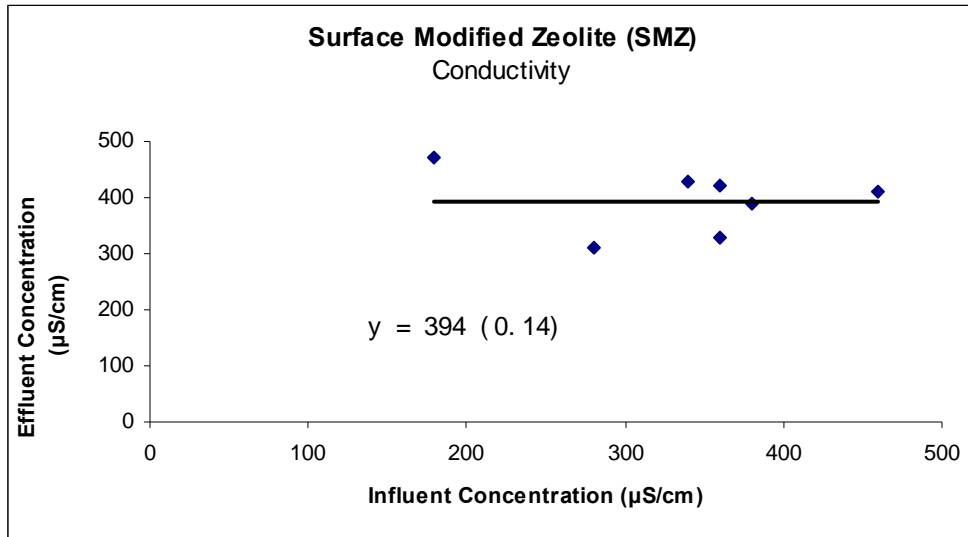
## ANOVA

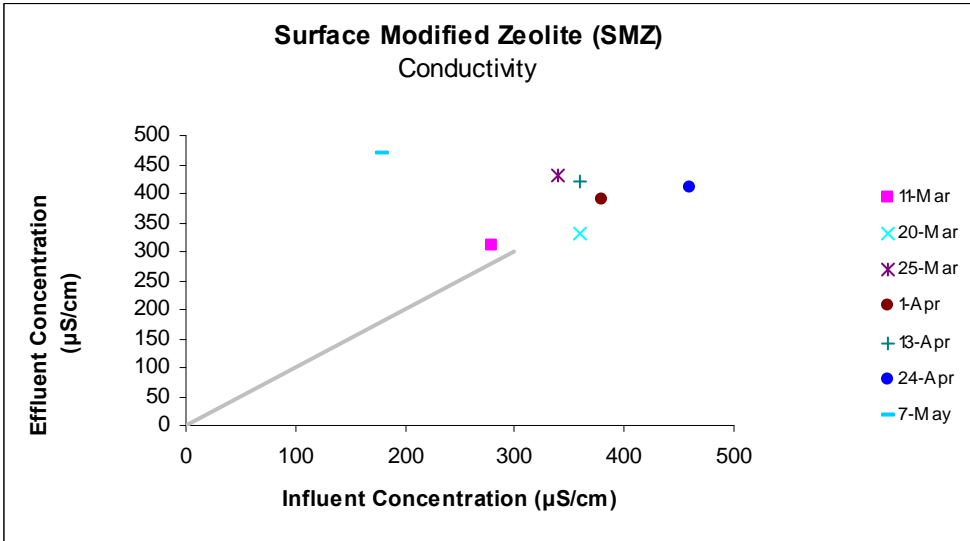
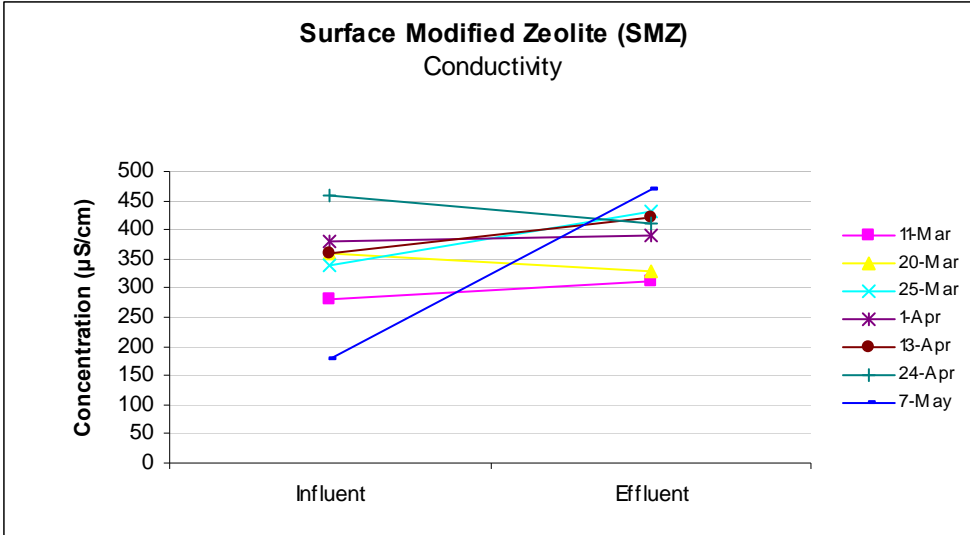
	df	SS	MS	F	Significance F
Regression	1.000	828.313	828.313	0.226	0.655
Residual	5.000	18343.116	3668.623		
Total	6.000	19171.429			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	439.381	97.827	4.501	0.006	188.423	690.339	188.423	690.339
X Variable 1	-0.134	0.282	-0.475	0.655	-0.858	0.590	-0.858	0.590

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	401.913	-91.913
2	391.208	-61.208
3	393.884	36.116
4	388.532	1.468
5	391.208	28.792
6	377.827	32.173
7	415.428	54.572





# ORP

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.999
R Square	0.997
Adjusted R Square	0.831
Standard Error	10.570
Observations	7.000

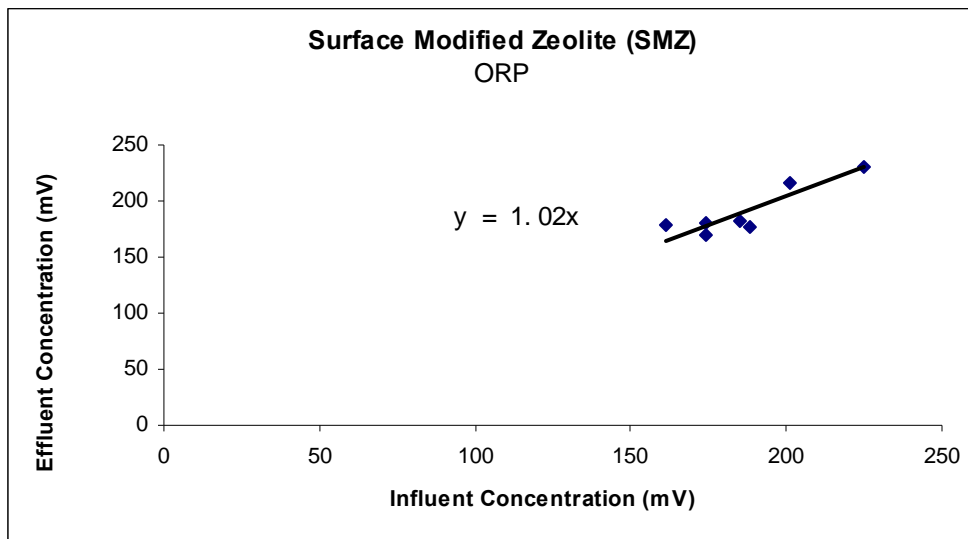
## ANOVA

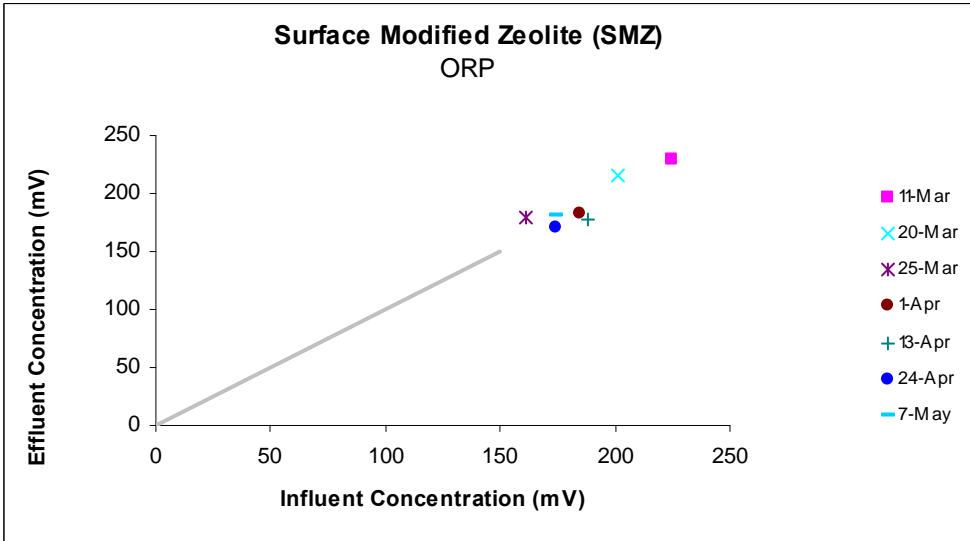
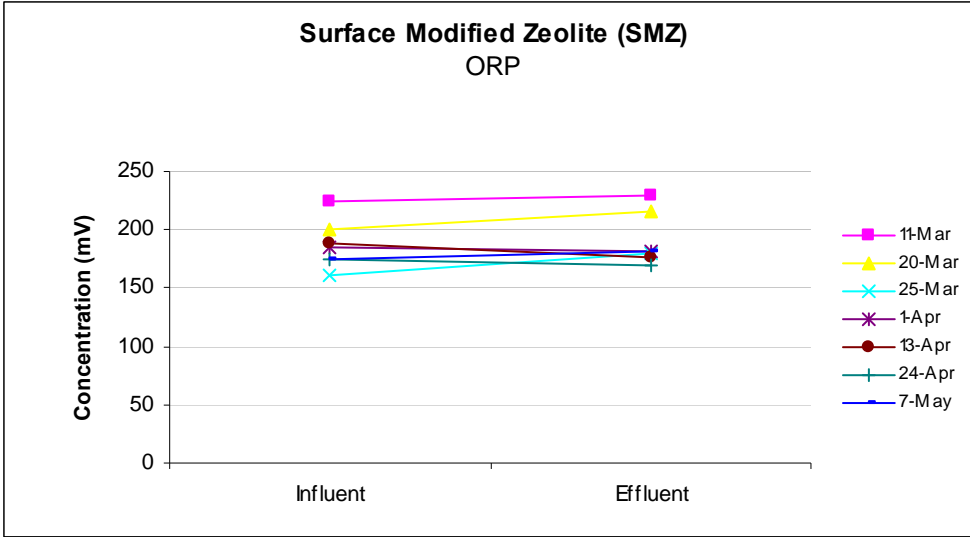
	df	SS	MS	F	Significance F
Regression	1.000	257040.853	257040.853	2300.865	0.000
Residual	6.000	670.347	111.725		
Total	7.000	257711.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	1.020	0.021	47.965	0.000	0.968	1.072	0.968	1.072

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	229.496	0.504
2	205.016	10.984
3	164.217	14.783
4	188.697	-6.697
5	191.757	-14.757
6	177.477	-7.477
7	177.477	3.523





# Color

## SUMMARY OUTPUT

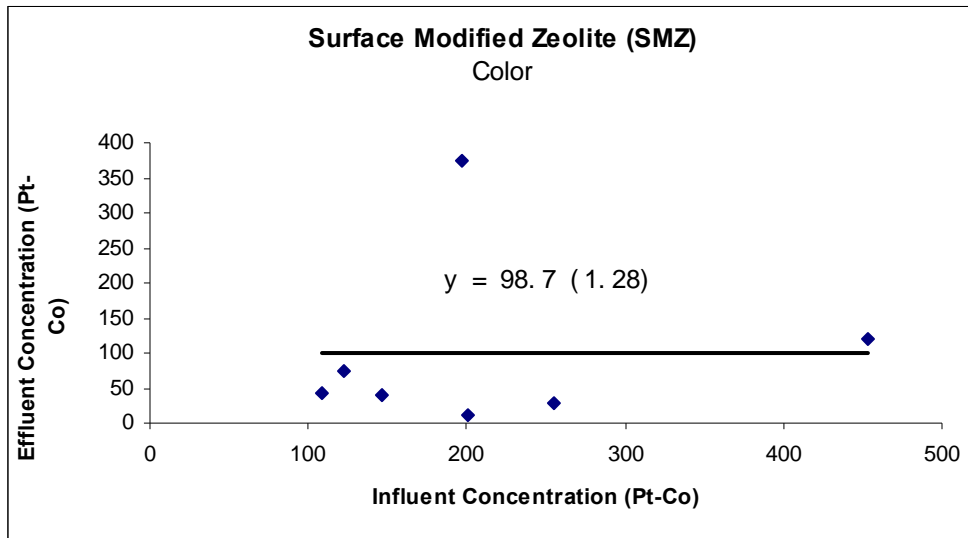
Regression Statistics	
Multiple R	0.123
R Square	0.015
Adjusted R Square	-0.182
Standard Error	137.894
Observations	7.000

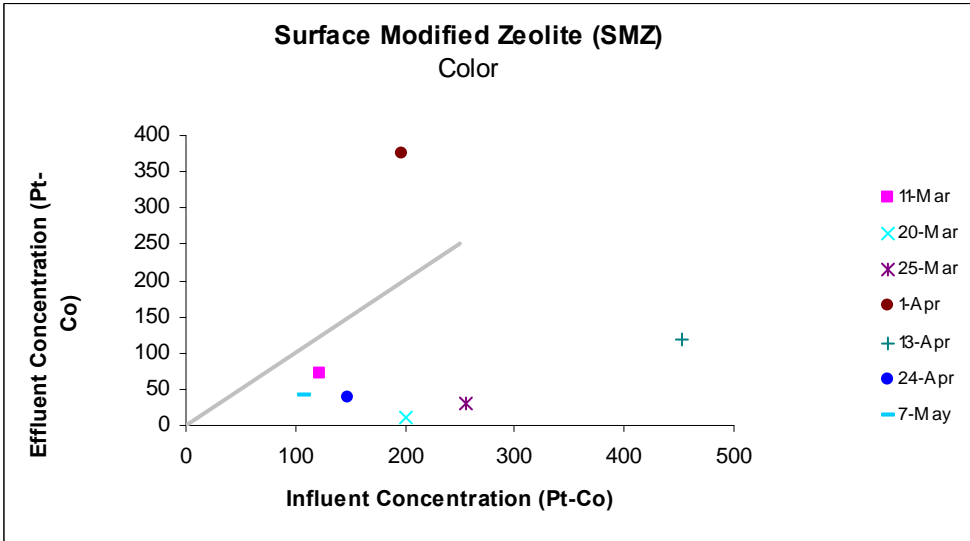
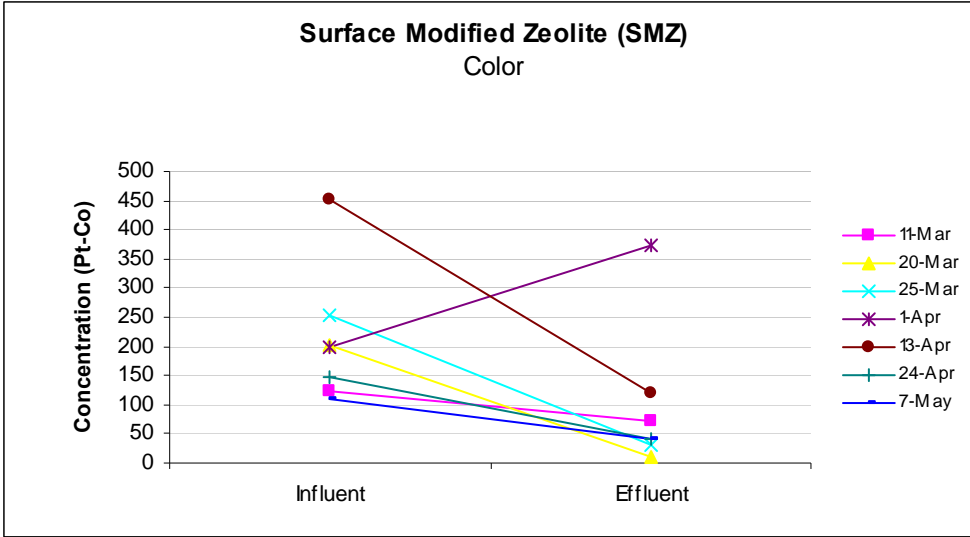
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	1453.399	1453.399	0.076	0.793
Residual	5.000	95074.030	19014.806		
Total	6.000	96527.429			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	70.701	113.945	0.620	0.562	-222.203	363.605	-222.203	363.605
X Variable 1	0.132	0.478	0.276	0.793	-1.096	1.361	-1.096	1.361

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	86.954	-13.954
2	97.261	-86.261
3	104.396	-74.396
4	96.732	278.268
5	130.560	-10.560
6	90.125	-50.125
7	84.972	-42.972





# Fluoride

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.656
R Square	0.430
Adjusted R Square	0.316
Standard Error	0.773
Observations	7.000

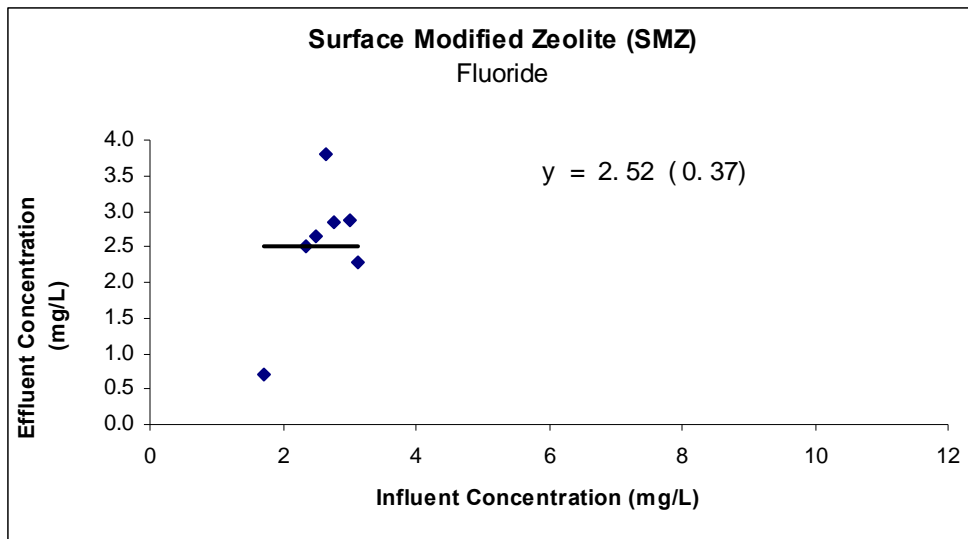
## ANOVA

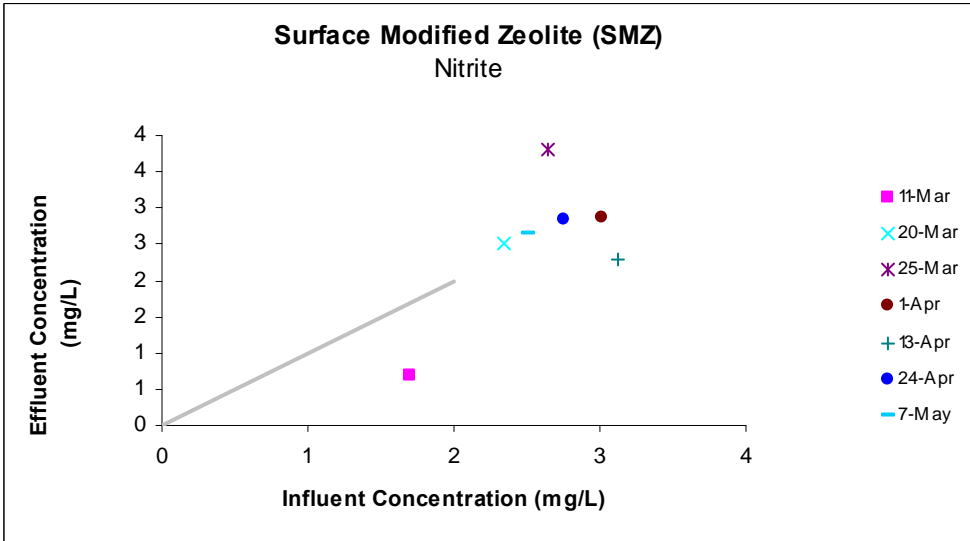
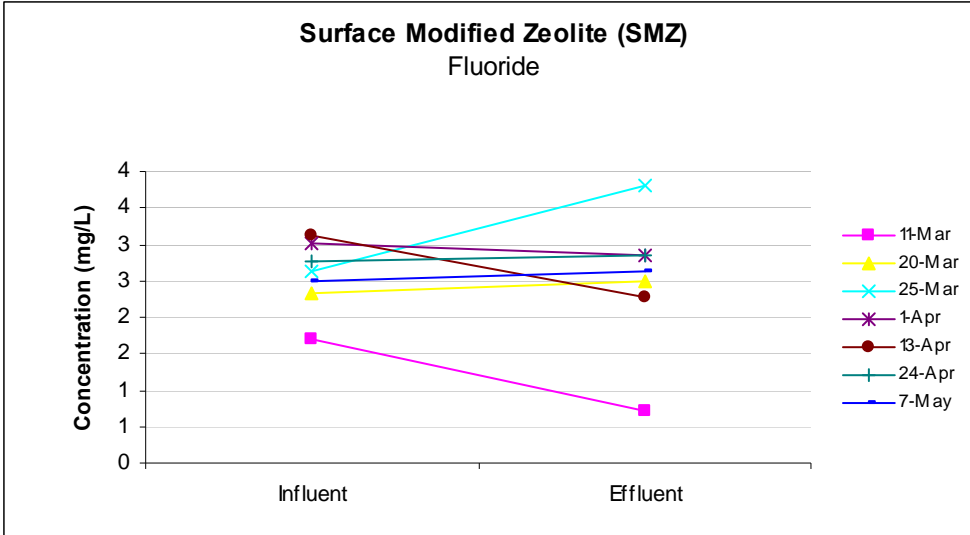
	df	SS	MS	F	Significance F
Regression	1.000	2.256	2.256	3.778	0.110
Residual	5.000	2.985	0.597		
Total	6.000	5.241			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-0.810	1.736	-0.466	0.661	-5.273	3.654	-5.273	3.654
X Variable 1	1.288	0.663	1.944	0.110	-0.415	2.992	-0.415	2.992

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.380	-0.680
2	2.204	0.296
3	2.591	1.209
4	3.080	-0.220
5	3.209	-0.929
6	2.745	0.095
7	2.410	0.230







# Sulfate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.104
R Square	0.011
Adjusted R Square	-0.187
Standard Error	6.014
Observations	7.000

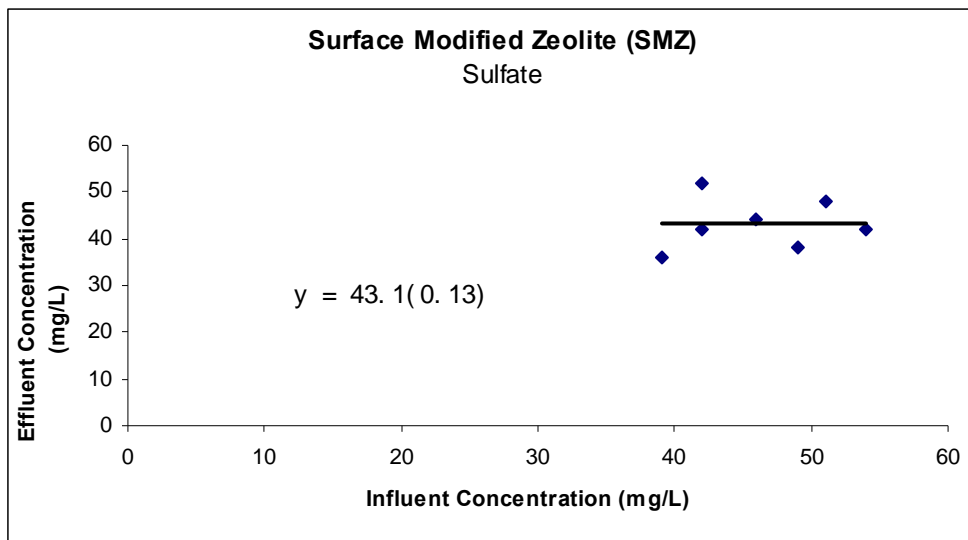
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	1.988	1.988	0.055	0.824
Residual	5.000	180.869	36.174		
Total	6.000	182.857			

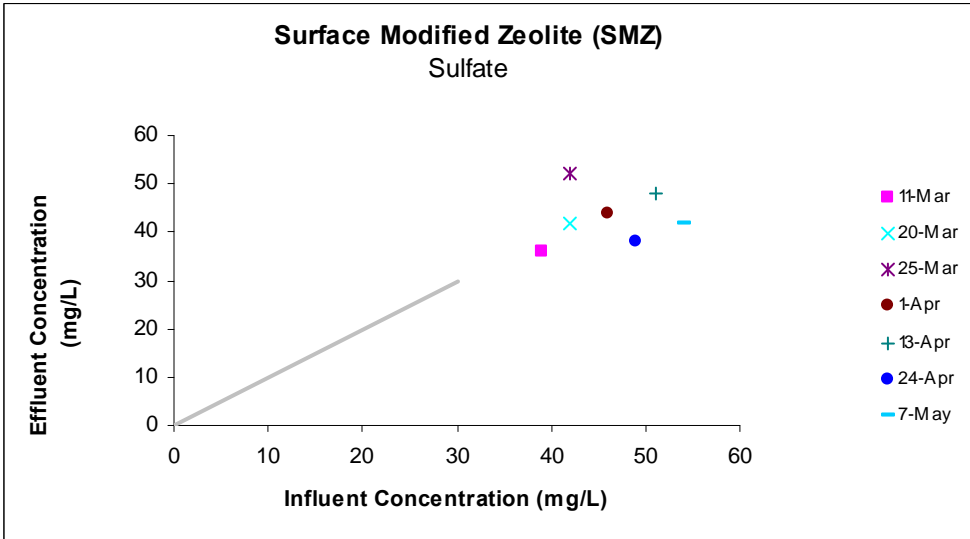
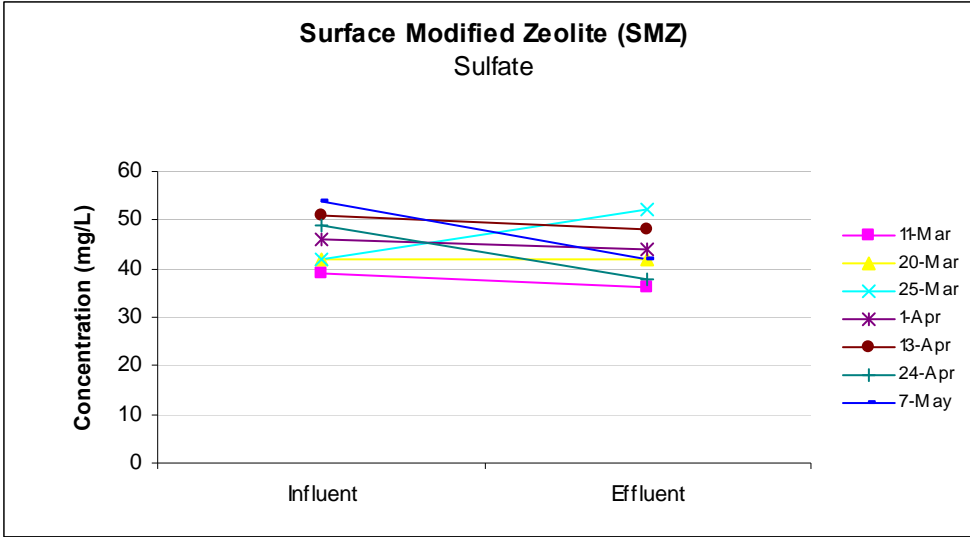
  

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	38.278	20.876	1.834	0.126	-15.384	91.940	-15.384	91.940
X Variable 1	0.105	0.450	0.234	0.824	-1.051	1.261	-1.051	1.261

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	42.390	-6.390
2	42.706	-0.706
3	42.706	9.294
4	43.128	0.872
5	43.655	4.345
6	43.444	-5.444
7	43.971	-1.971





# Phosphate

## SUMMARY OUTPUT

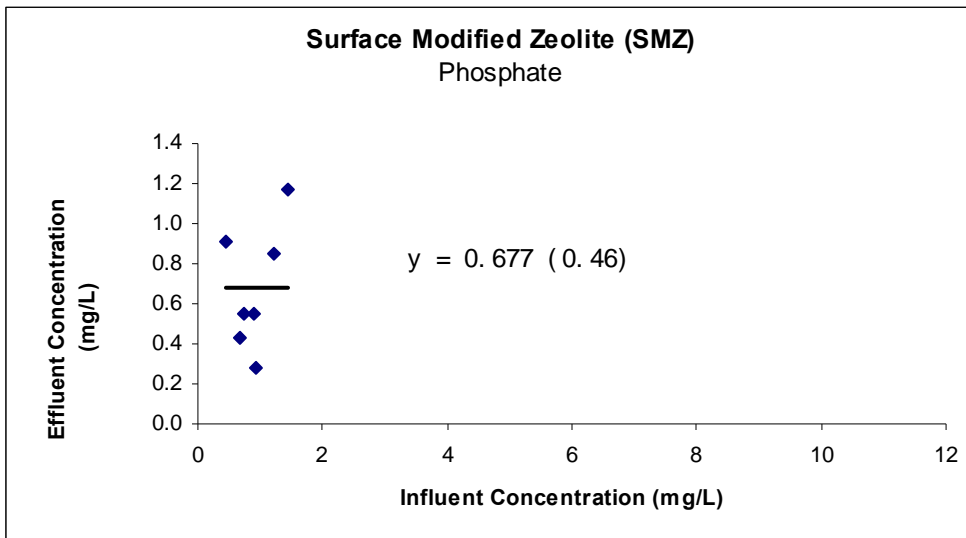
Regression Statistics	
Multiple R	0.451
R Square	0.203
Adjusted R Square	0.044
Standard Error	0.304
Observations	7.000

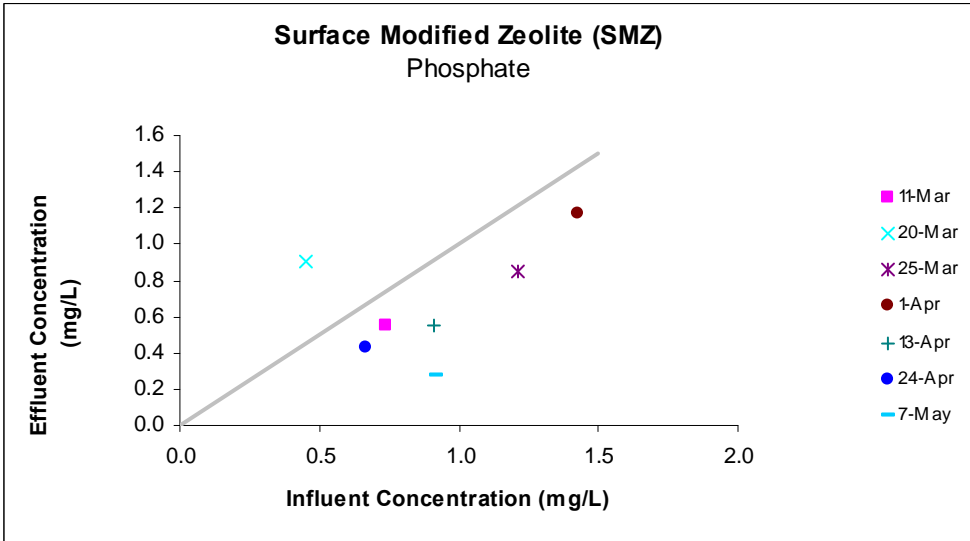
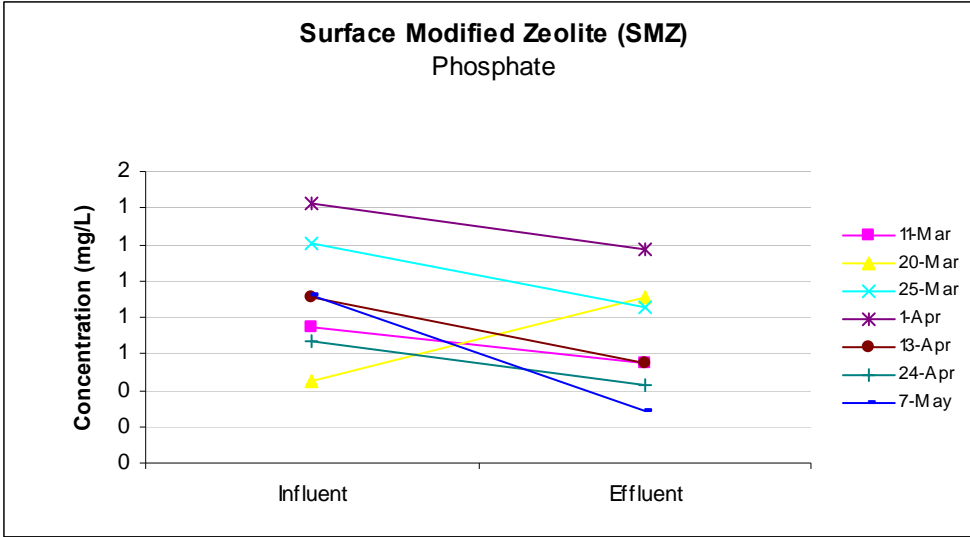
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.117	0.117	1.274	0.310
Residual	5.000	0.461	0.092		
Total	6.000	0.578			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.295	0.357	0.827	0.446	-0.623	1.214	-0.623	1.214
X Variable 1	0.422	0.374	1.129	0.310	-0.539	1.384	-0.539	1.384

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.608	-0.058
2	0.485	0.425
3	0.806	0.044
4	0.899	0.271
5	0.680	-0.130
6	0.578	-0.148
7	0.684	-0.404





# TN

## SUMMARY OUTPUT

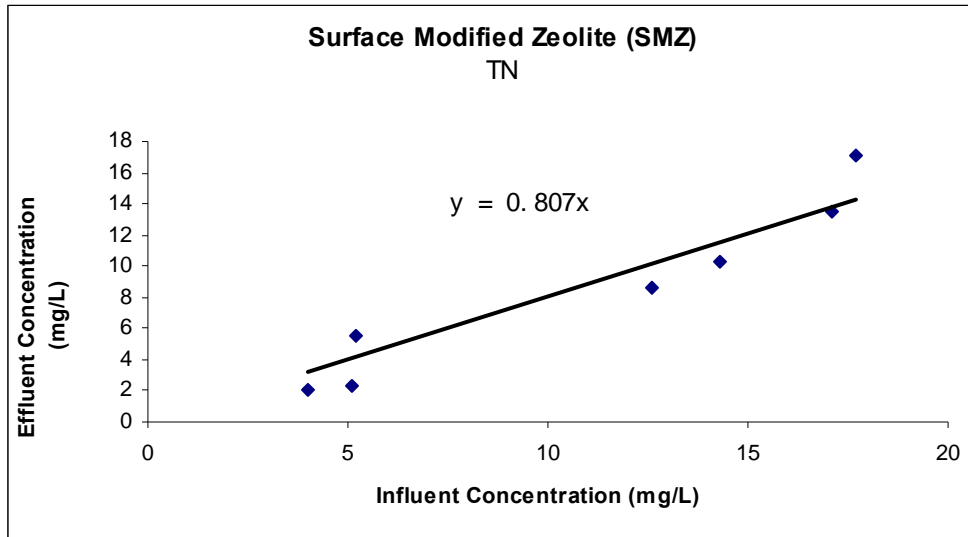
Regression Statistics	
Multiple R	0.987
R Square	0.973
Adjusted R Square	0.807
Standard Error	1.757
Observations	7.000

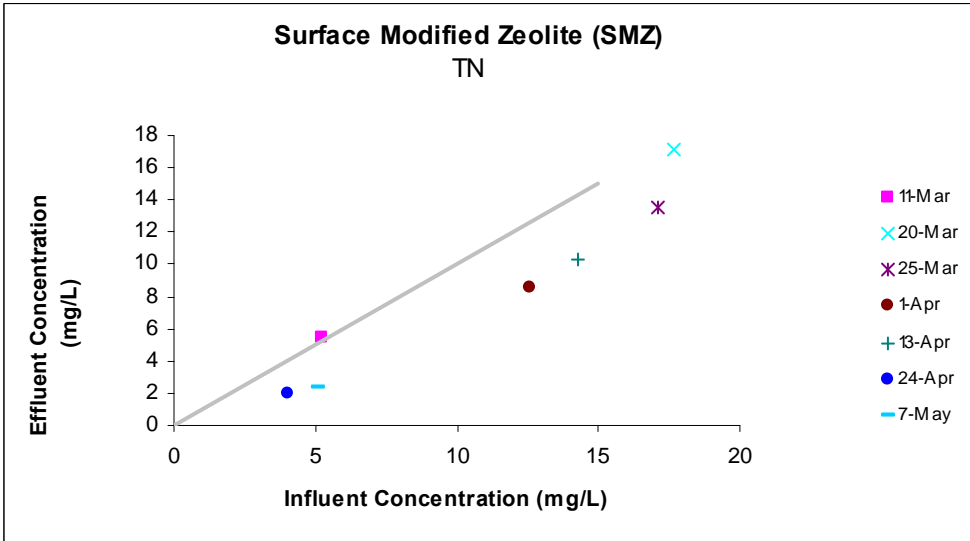
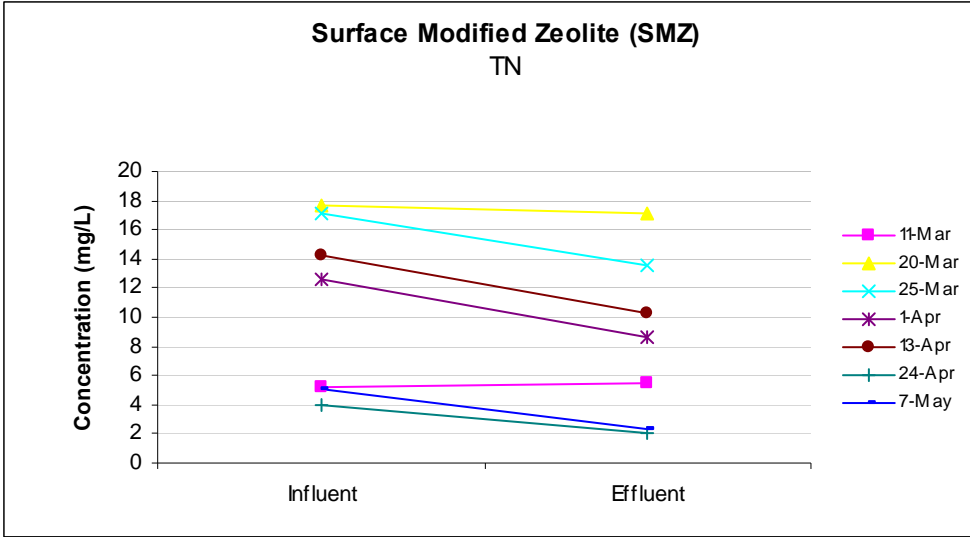
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	675.729	675.729	218.902	0.000
Residual	6.000	18.521	3.087		
Total	7.000	694.250			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.807	0.055	14.795	0.000	0.673	0.940	0.673	0.940

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	4.196	1.304
2	14.281	2.819
3	13.797	-0.297
4	10.166	-1.566
5	11.538	-1.238
6	3.227	-1.227
7	4.115	-1.815





# UV 254

## SUMMARY OUTPUT

Regression Statistics	
Multiple F	0.975
R Square	0.951
Adjusted R	0.785
Standard Error	0.142
Observations	7.000

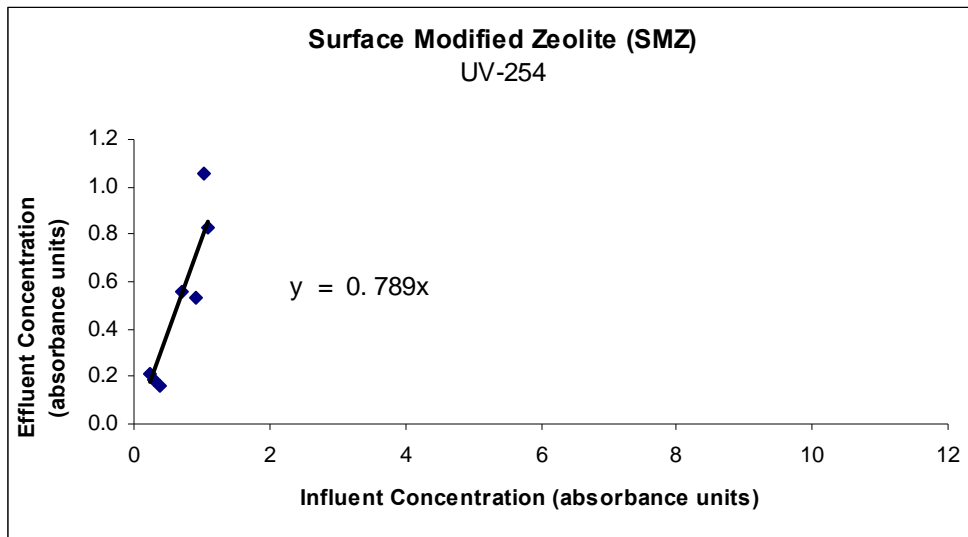
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	2.376	2.376	117.326	0.000
Residual	6.000	0.121	0.020		
Total	7.000	2.497			

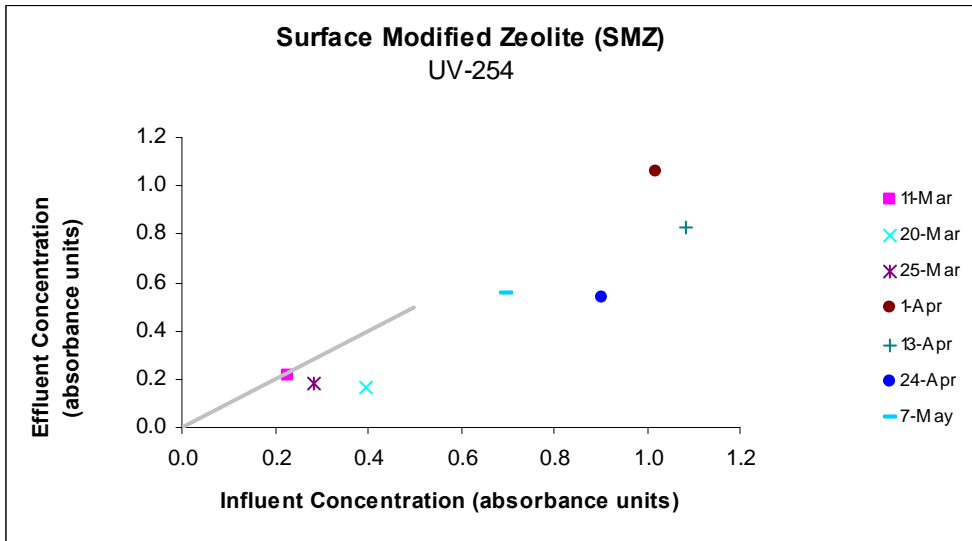
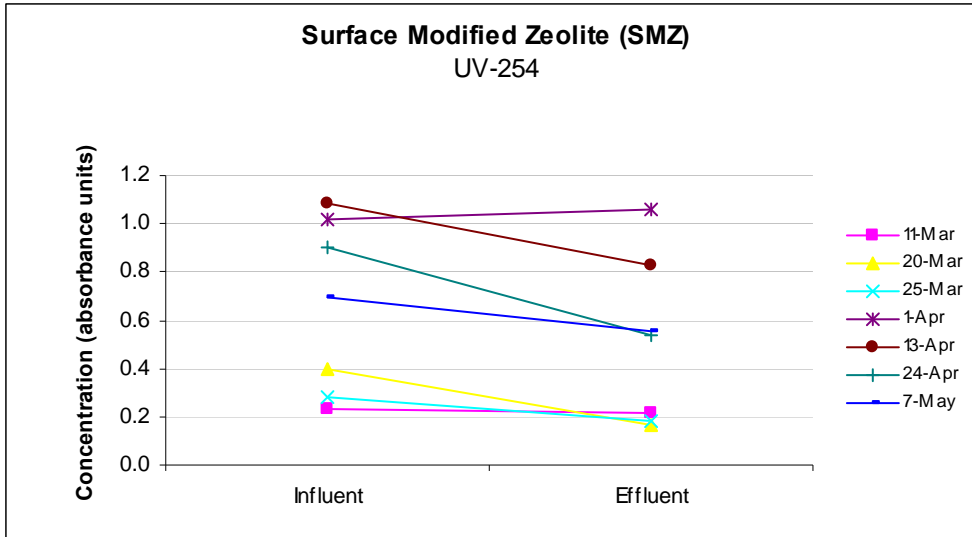
  

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable	0.790	0.073	10.832	0.000	0.611	0.968	0.611	0.968

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.182	0.030
2	0.312	-0.149
3	0.225	-0.042
4	0.806	0.251
5	0.856	-0.031
6	0.714	-0.180
7	0.550	0.006







# Chloride

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.183
R Square	0.034
Adjusted R Square	-0.160
Standard Error	11.512
Observations	7.000

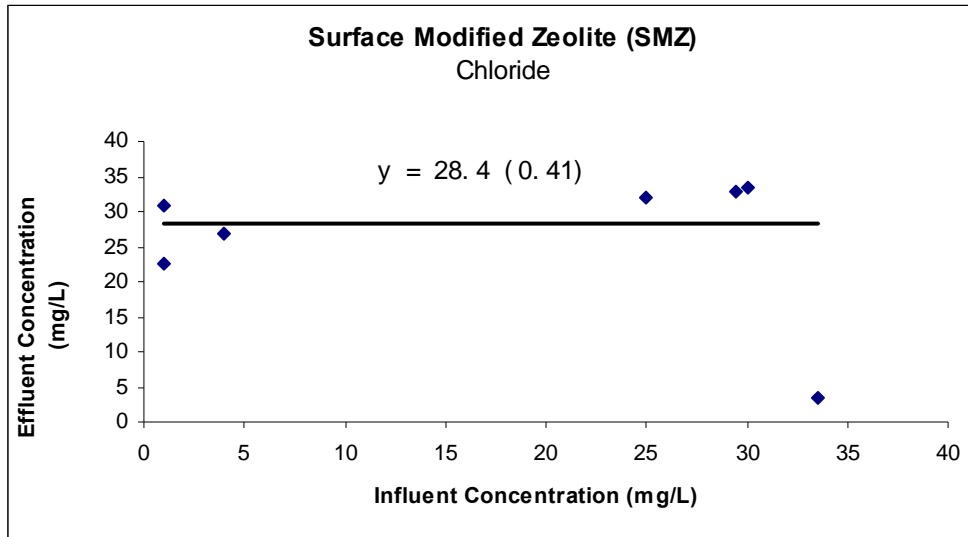
## ANOVA

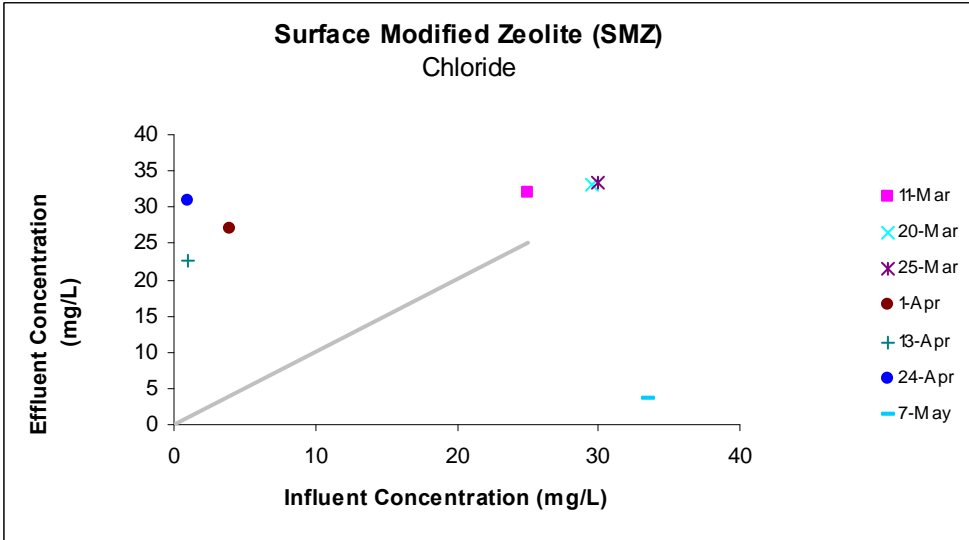
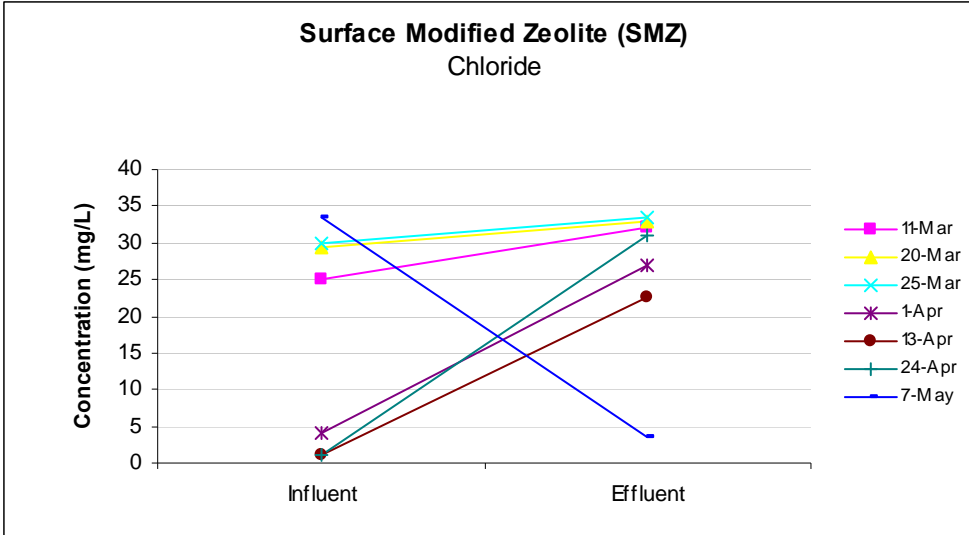
	df	SS	MS	F	Significance F
Regression	1.000	23.032	23.032	0.174	0.694
Residual	5.000	662.683	132.537		
Total	6.000	685.714			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	28.395	7.071	4.016	0.010	10.219	46.571	10.219	46.571
X Variable 1	-0.131	0.315	-0.417	0.694	-0.940	0.678	-0.940	0.678

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	25.116	6.884
2	24.526	8.474
3	24.460	9.040
4	27.870	-0.870
5	28.264	-5.764
6	28.264	2.736
7	24.001	-20.501





# Hardness

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.628
R Square	0.395
Adjusted R Square	0.274
Standard Error	36.669
Observations	7.000

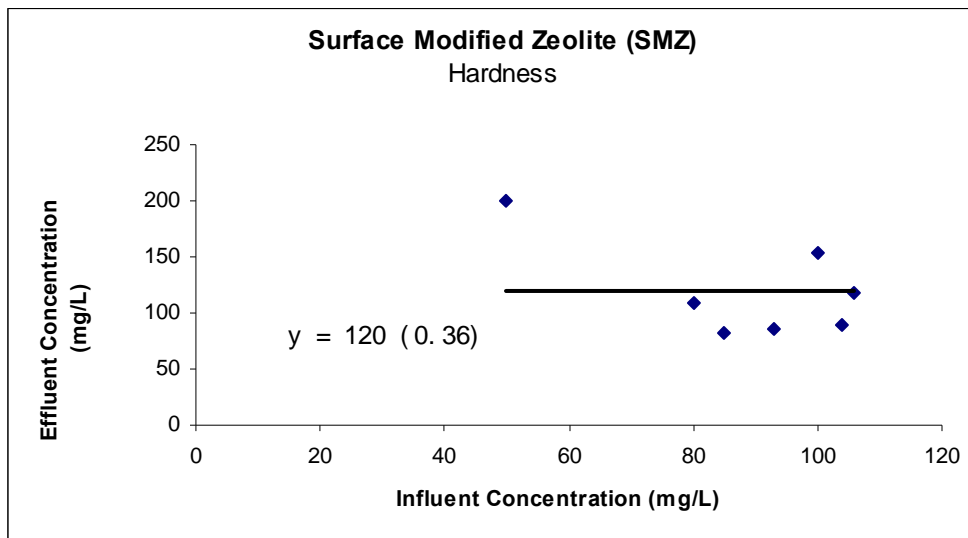
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	4388.710	4388.710	3.264	0.131
Residual	5.000	6723.004	1344.601		
Total	6.000	11111.714			

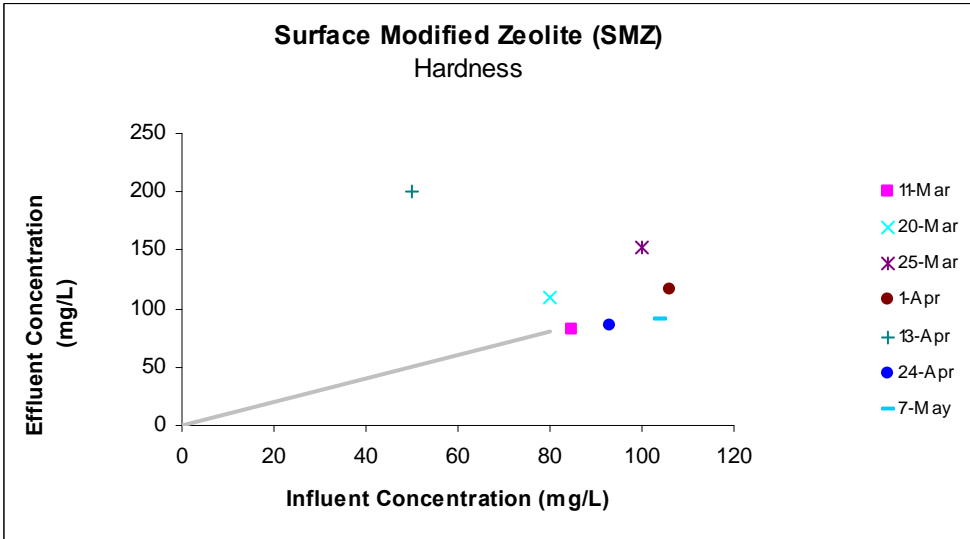
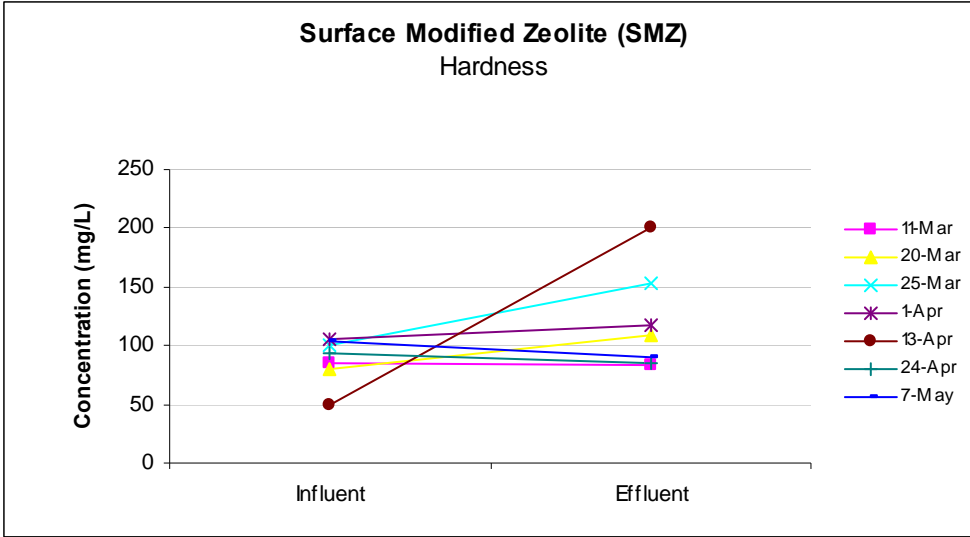
  

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	242.452	69.414	3.493	0.017	64.018	420.886	64.018	420.886
X Variable 1	-1.392	0.770	-1.807	0.131	-3.372	0.589	-3.372	0.589

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	124.145	-41.145
2	131.104	-22.104
3	103.267	49.733
4	94.916	22.084
5	172.860	27.140
6	113.010	-28.010
7	97.699	-7.699





# NO2+NO3

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.792
R Square	0.628
Adjusted R Square	0.553
Standard Error	0.411
Observations	7.000

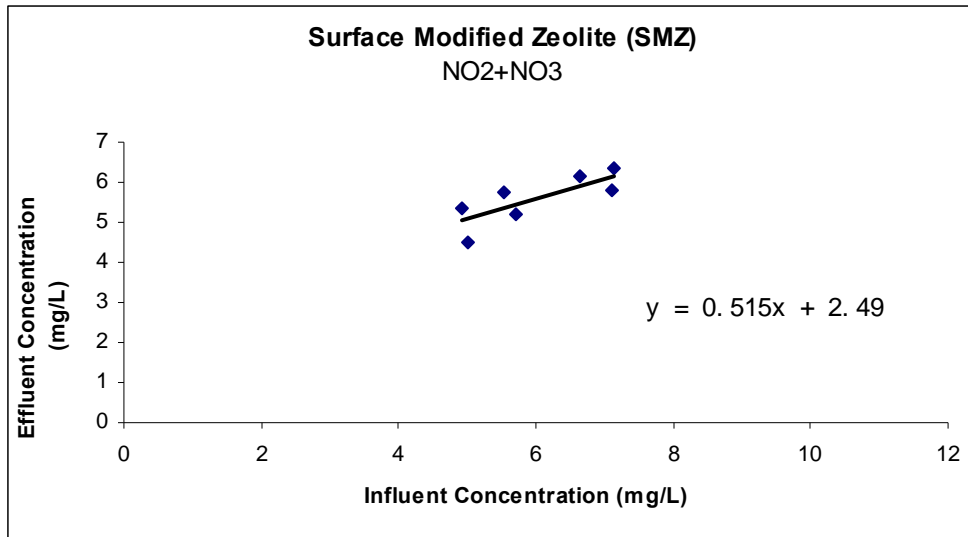
## ANOVA

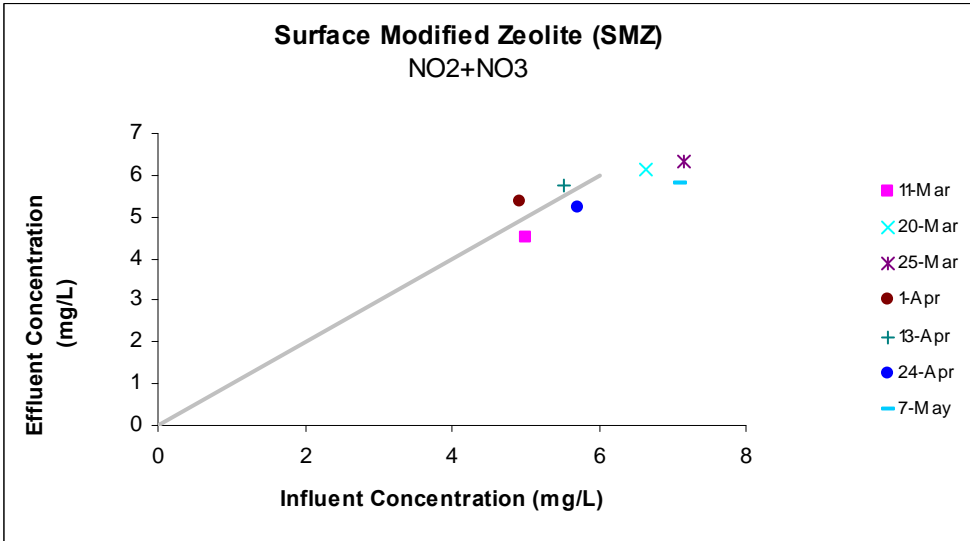
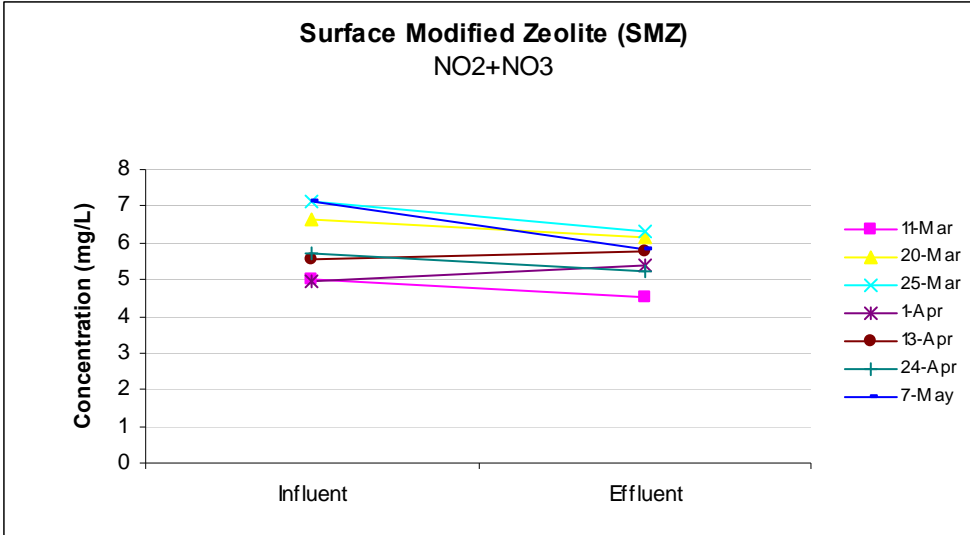
	df	SS	MS	F	Significance F
Regression	1.000	1.422	1.422	8.429	0.034
Residual	5.000	0.844	0.169		
Total	6.000	2.266			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	2.491	1.078	2.311	0.069	-0.280	5.261	-0.280	5.261
X Variable 1	0.515	0.177	2.903	0.034	0.059	0.971	0.059	0.971

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	5.075	-0.562
2	5.912	0.215
3	6.169	0.160
4	5.031	0.339
5	5.336	0.416
6	5.436	-0.229
7	6.154	-0.340





# Rhyolite Sand – Surface Modified Zeolite

## Nitrite

### SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.670
R Square	0.449
Adjusted R Square	0.338
Standard Error	0.017
Observations	7.000

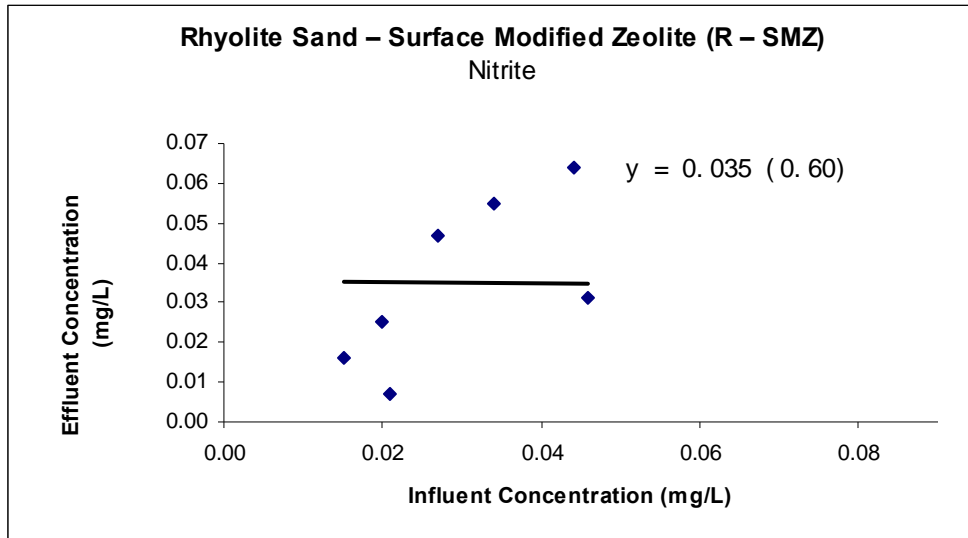
### ANOVA

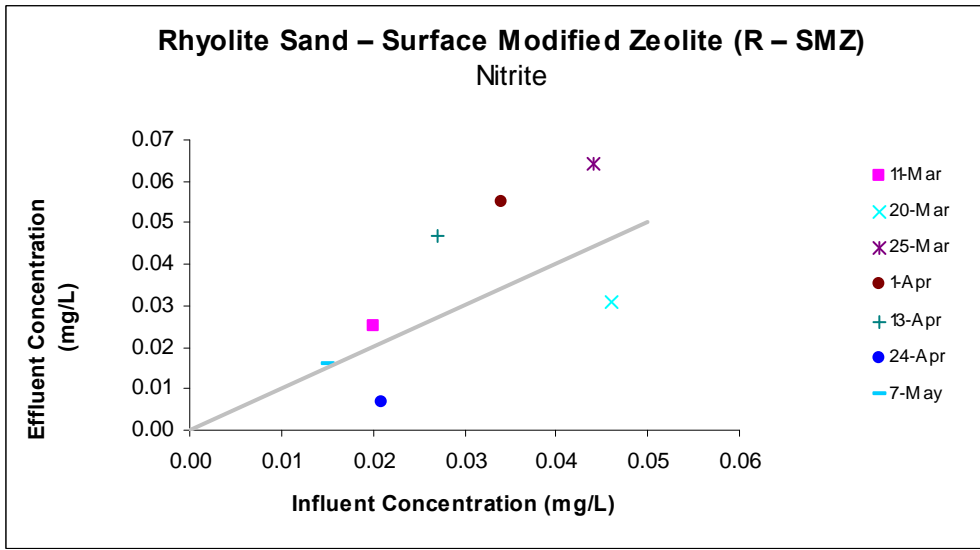
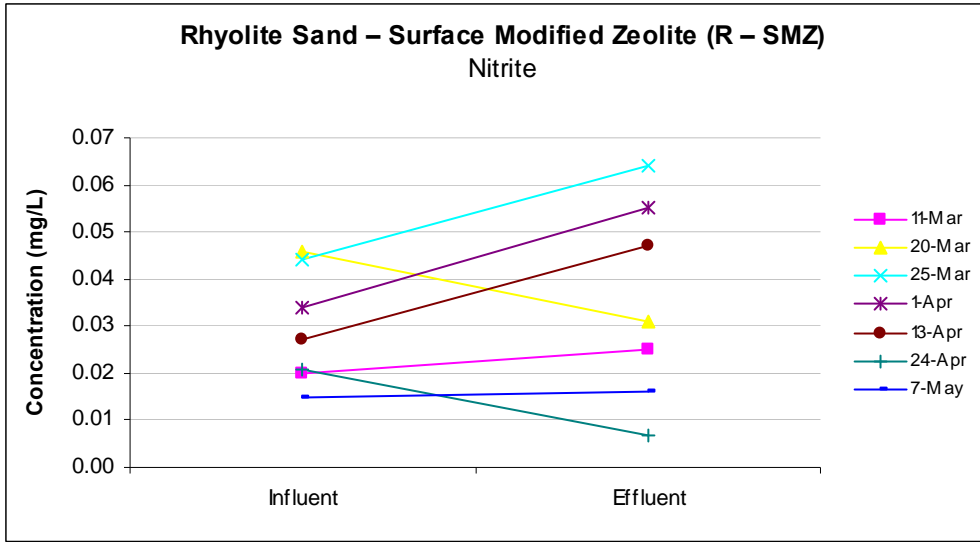
	df	SS	MS	F	Significance F
Regression	1.000	0.001	0.001	4.067	0.100
Residual	5.000	0.001	0.000		
Total	6.000	0.003			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.001	0.018	0.038	0.971	-0.046	0.047	-0.046	0.047
X Variable 1	1.160	0.575	2.017	0.100	-0.319	2.639	-0.319	2.639

### RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.024	0.001
2	0.054	-0.023
3	0.052	0.012
4	0.040	0.015
5	0.032	0.015
6	0.025	-0.018
7	0.018	-0.002







# Nitrate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.656
R Square	0.430
Adjusted R Square	0.316
Standard Error	0.473
Observations	7.000

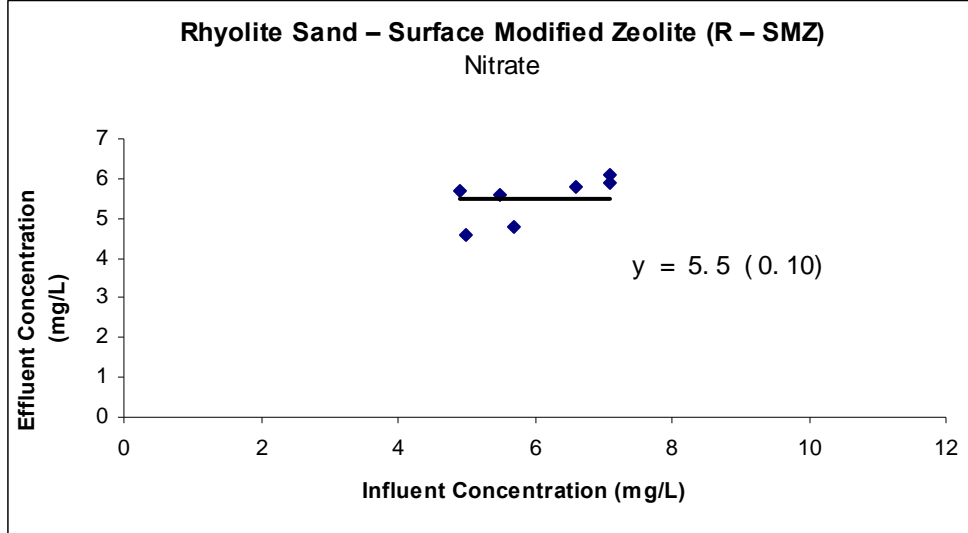
## ANOVA

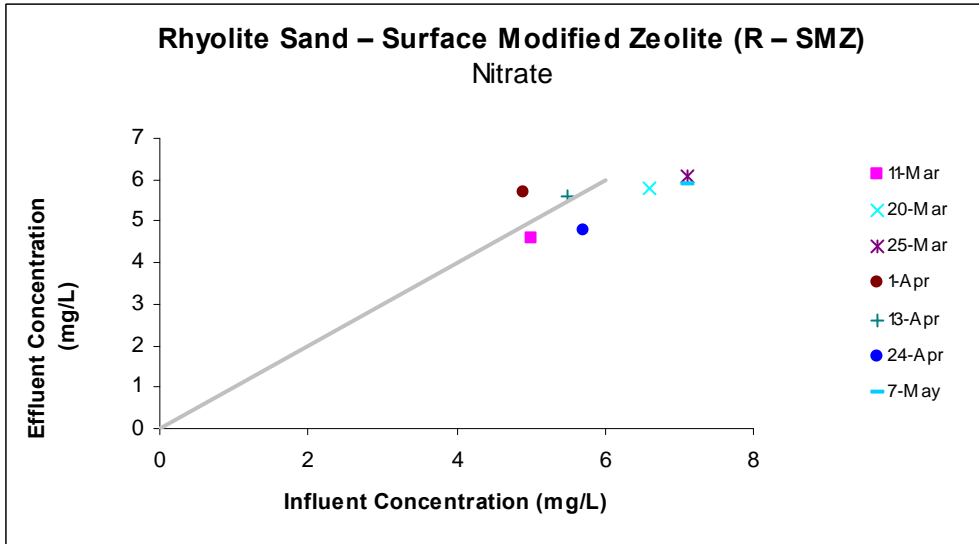
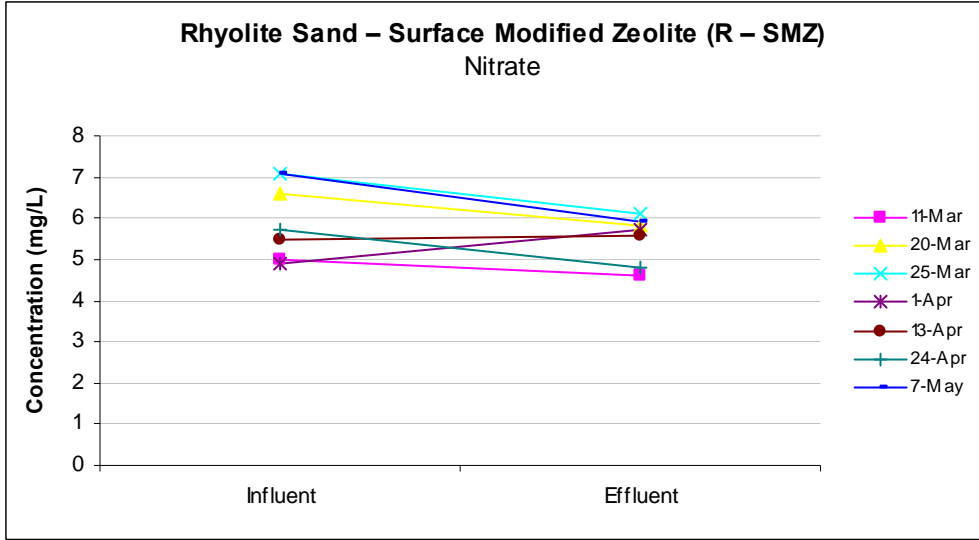
	df	SS	MS	F	Significance F
Regression	1.000	0.843	0.843	3.777	0.110
Residual	5.000	1.117	0.223		
Total	6.000	1.960			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	3.119	1.238	2.518	0.053	-0.065	6.302	-0.065	6.302
X Variable 1	0.398	0.205	1.943	0.110	-0.128	0.924	-0.128	0.924

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	5.108	-0.508
2	5.744	0.056
3	5.943	0.157
4	5.068	0.632
5	5.307	0.293
6	5.386	-0.586
7	5.943	-0.043





# Ammonia

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.951
R Square	0.904
Adjusted R Square	0.737
Standard Error	0.027
Observations	7.000

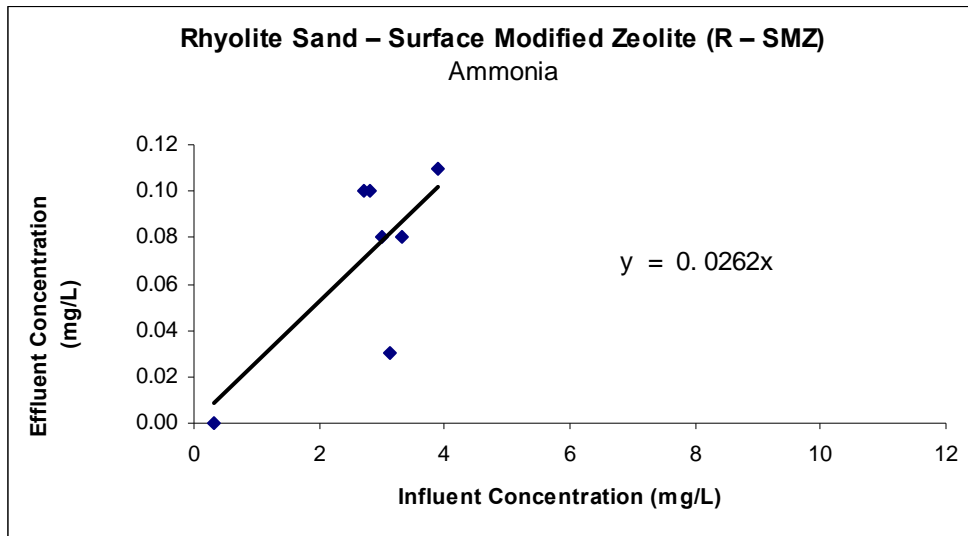
## ANOVA

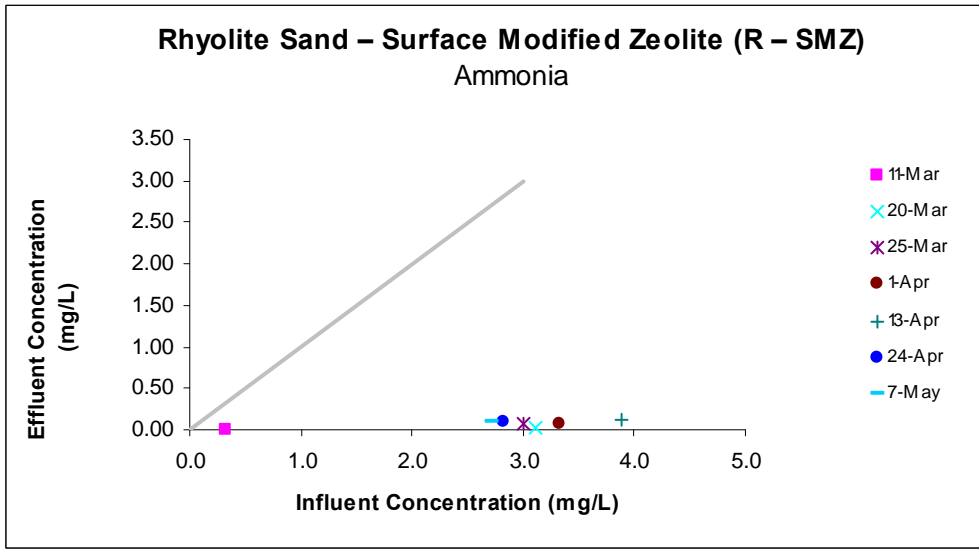
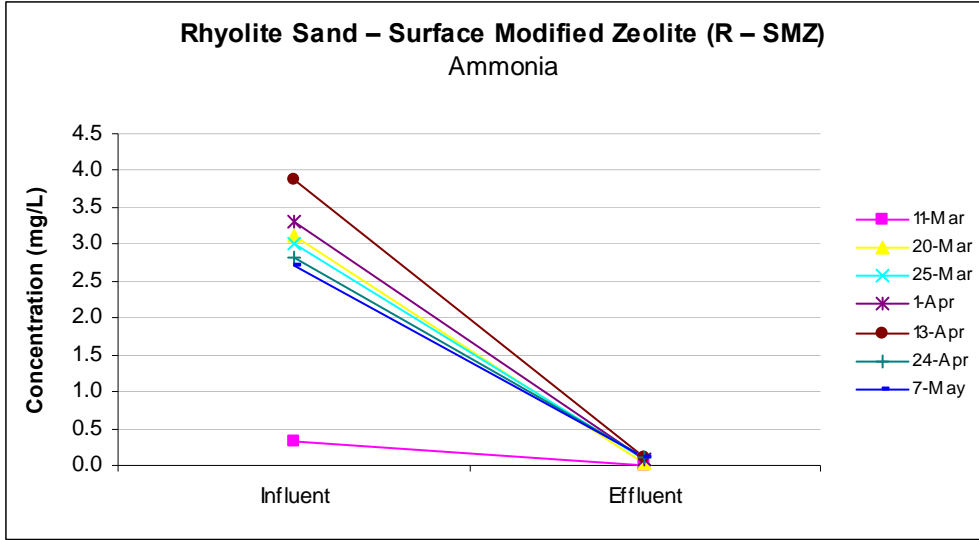
	df	SS	MS	F	Significance F
Regression	1.000	0.041	0.041	56.583	0.001
Residual	6.000	0.004	0.001		
Total	7.000	0.046			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.026	0.003	7.522	0.000	0.018	0.035	0.018	0.035

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.008	-0.008
2	0.082	-0.052
3	0.079	0.001
4	0.087	-0.007
5	0.102	0.008
6	0.074	0.026
7	0.071	0.028





# TP

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.305
R Square	0.093
Adjusted R Square	-0.088
Standard Error	0.035
Observations	7.000

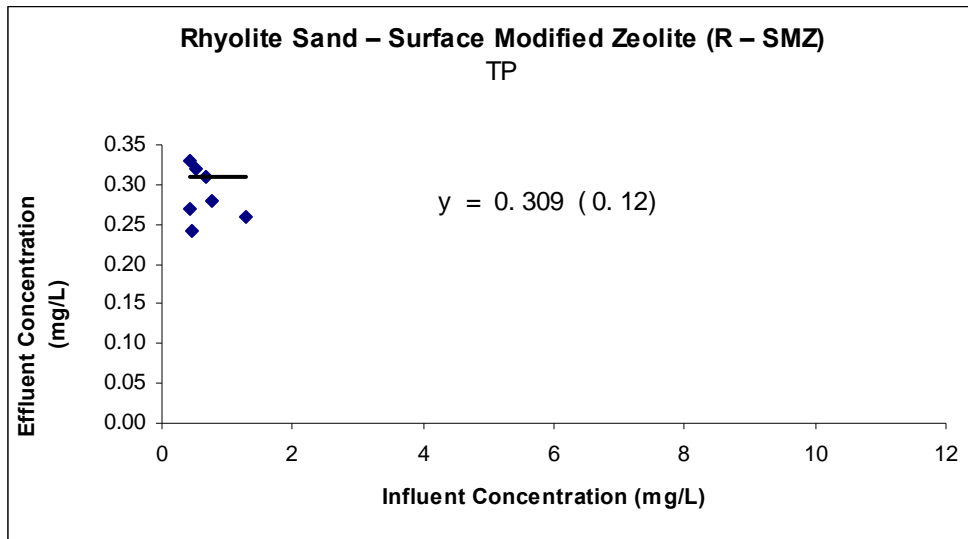
## ANOVA

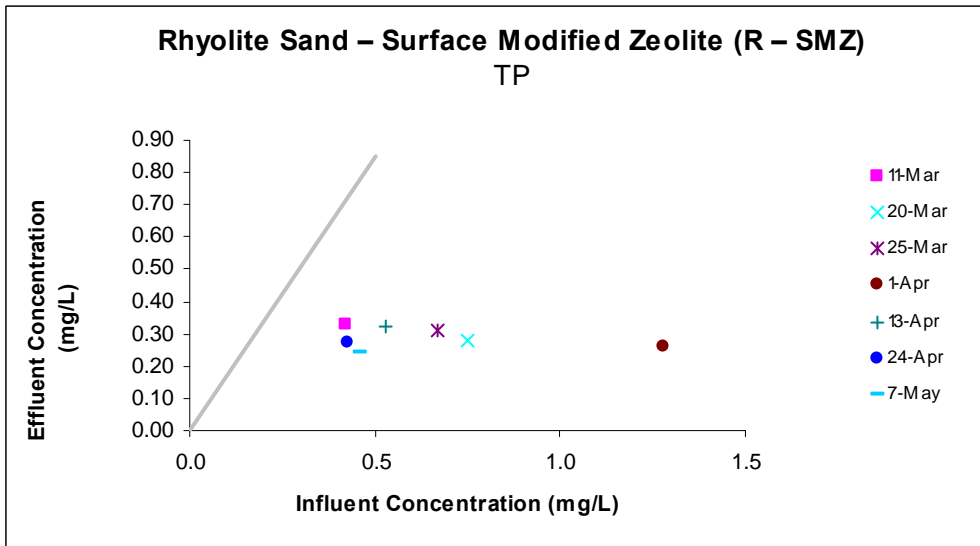
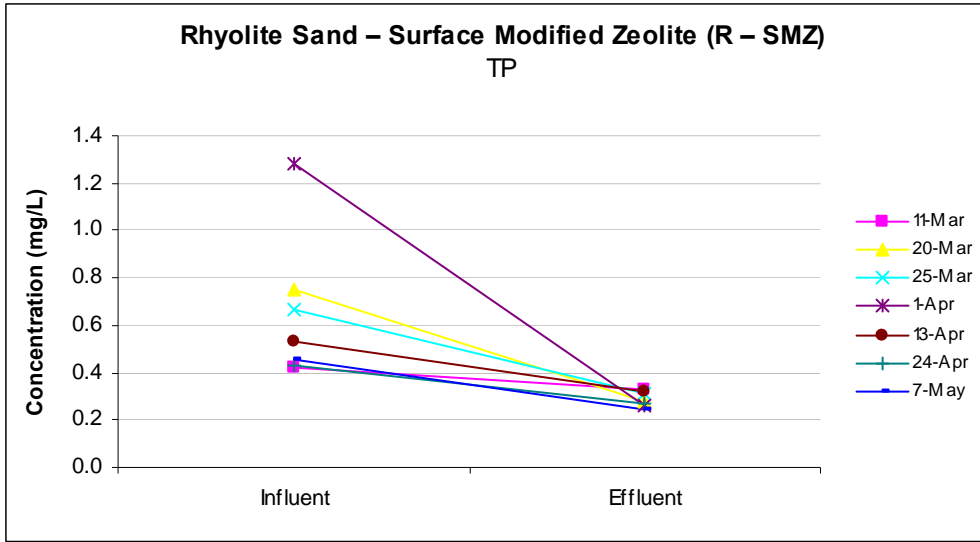
	df	SS	MS	F	Significance F
Regression	1.000	0.001	0.001	0.512	0.506
Residual	5.000	0.006	0.001		
Total	6.000	0.007			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.309	0.033	9.457	0.000	0.225	0.393	0.225	0.393
X Variable 1	-0.033	0.046	-0.716	0.506	-0.152	0.086	-0.152	0.086

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.295	0.035
2	0.284	-0.004
3	0.287	0.023
4	0.266	-0.008
5	0.291	0.029
6	0.295	-0.024
7	0.294	-0.052





# COD

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.096
R Square	0.009
Adjusted R Square	-0.189
Standard Error	13.934
Observations	7.000

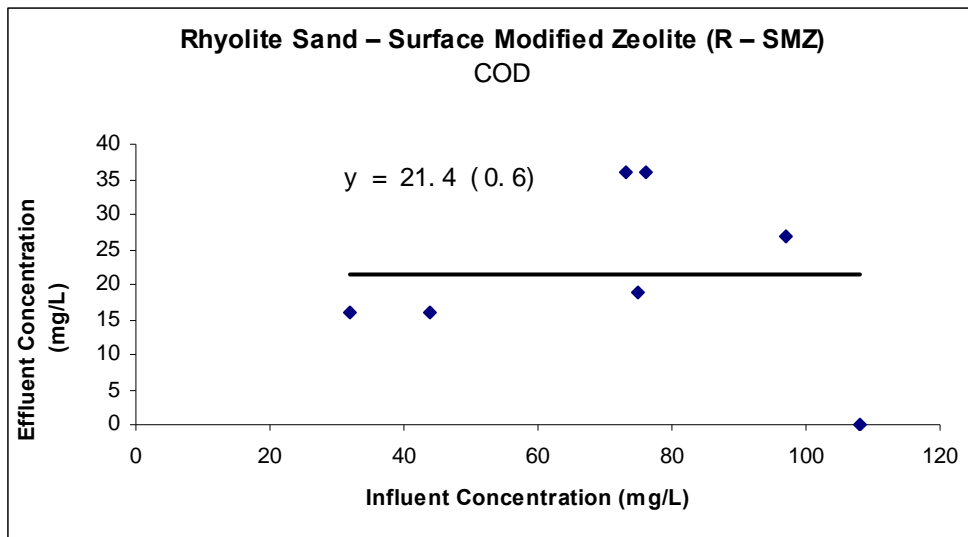
## ANOVA

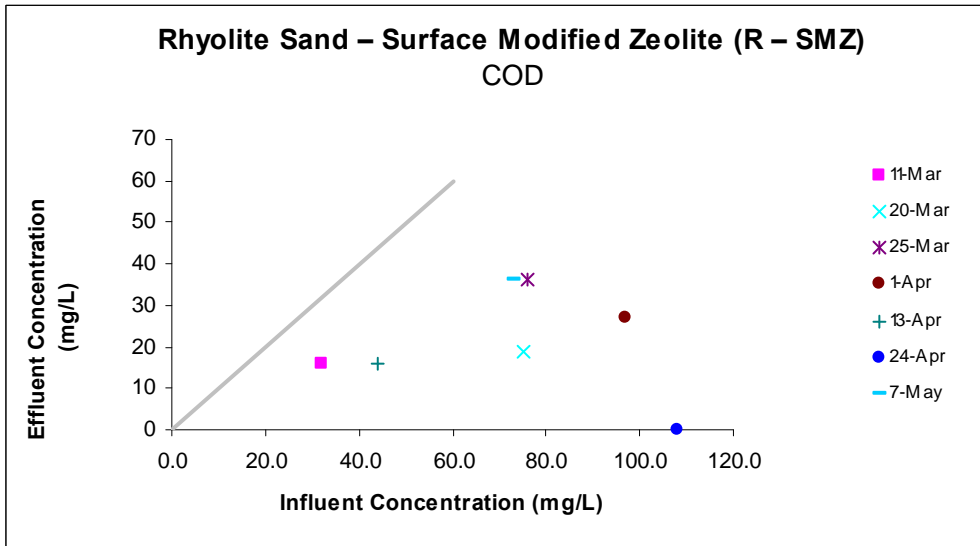
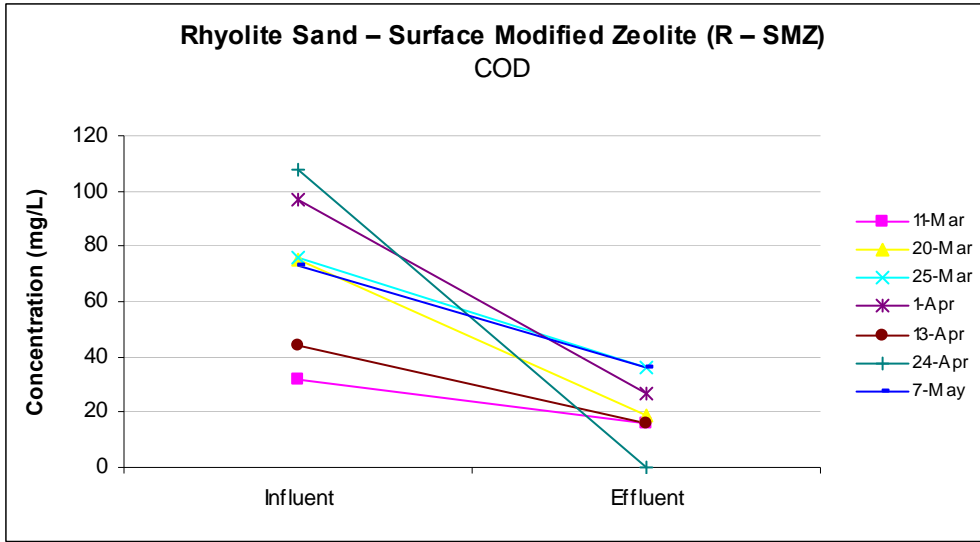
	df	SS	MS	F	Significance F
Regression	1.000	9.000	9.000	0.046	0.838
Residual	5.000	970.714	194.143		
Total	6.000	979.714			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	24.717	16.157	1.530	0.187	-16.815	66.250	-16.815	66.250
X Variable 1	-0.046	0.212	-0.215	0.838	-0.590	0.499	-0.590	0.499

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	23.259	-7.259
2	21.298	-2.298
3	21.253	14.747
4	20.295	6.705
5	22.712	-6.712
6	19.794	-19.794
7	21.389	14.611







# pH

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	1.000
R Square	0.999
Adjusted R Square	0.833
Standard Error	0.239
Observations	7.000

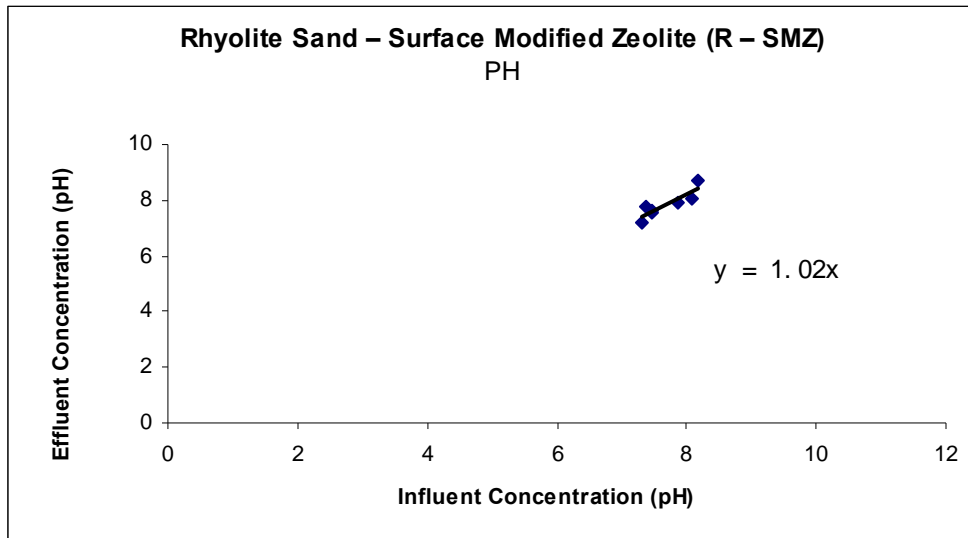
## ANOVA

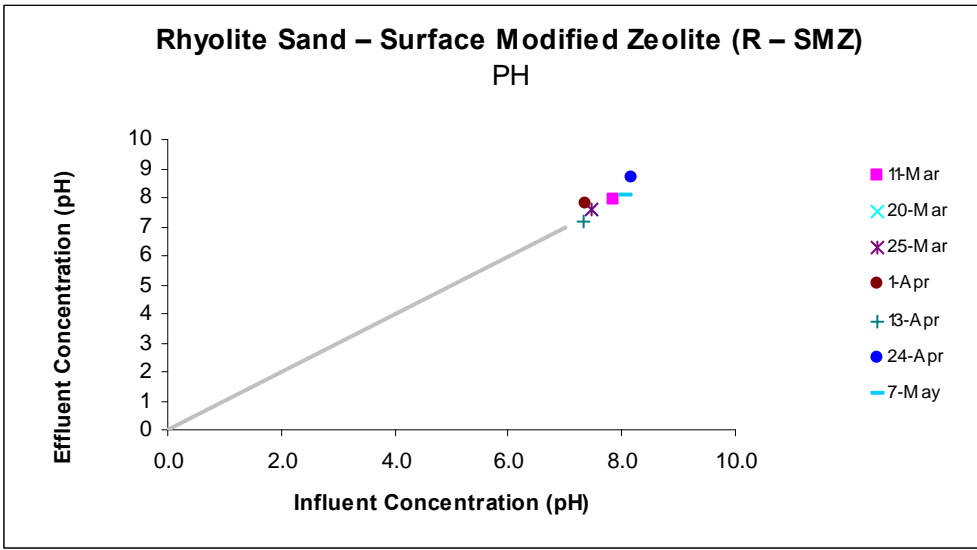
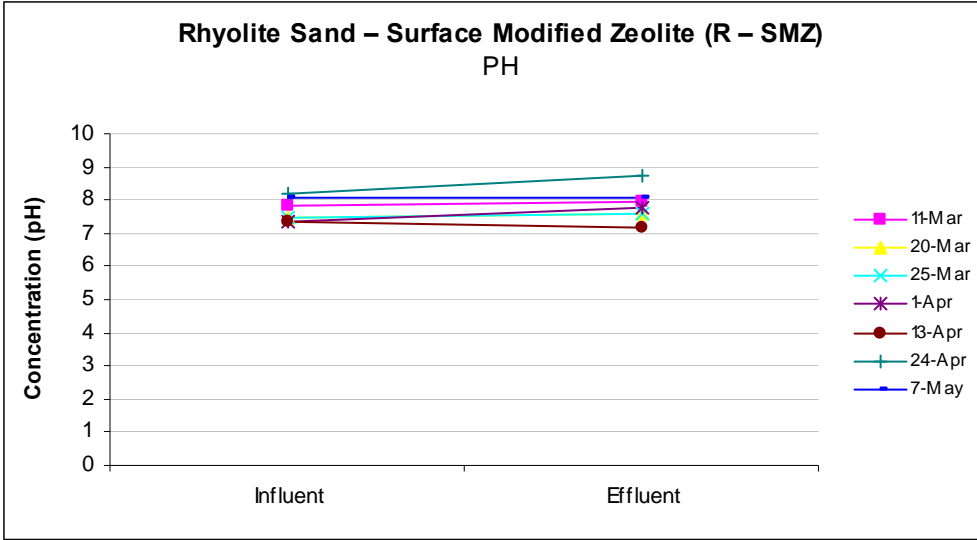
	df	SS	MS	F	Significance F
Regression	1.000	430.984	430.984	7541.851	0.000
Residual	6.000	0.343	0.057		
Total	7.000	431.326			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
XVariable 1	1.021	0.012	86.844	0.000	0.992	1.050	0.992	1.050

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	8.026	-0.096
2	7.638	-0.058
3	7.628	-0.008
4	7.526	0.264
5	7.475	-0.305
6	8.343	0.367
7	8.241	-0.181





# Conductivity

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.116
R Square	0.014
Adjusted R Square	-0.184
Standard Error	84.143
Observations	7.000

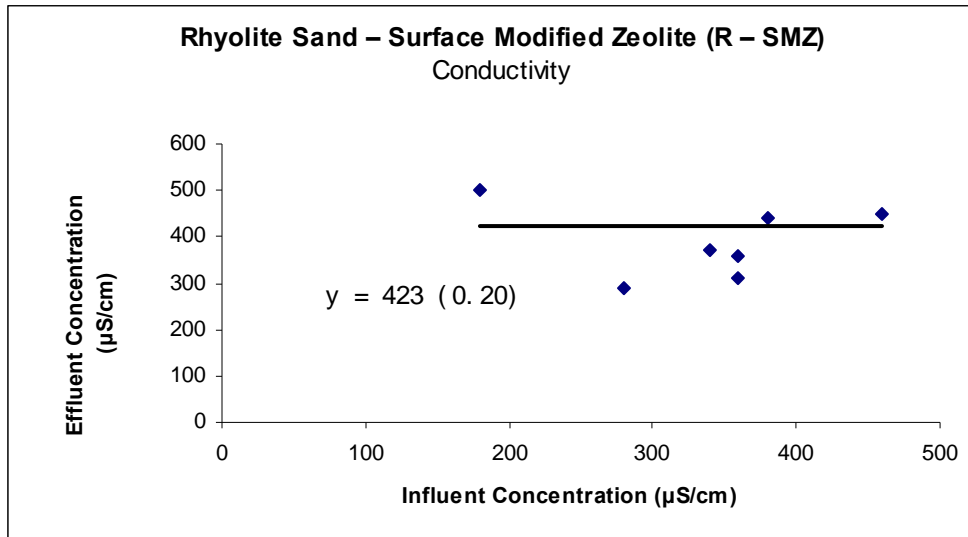
## ANOVA

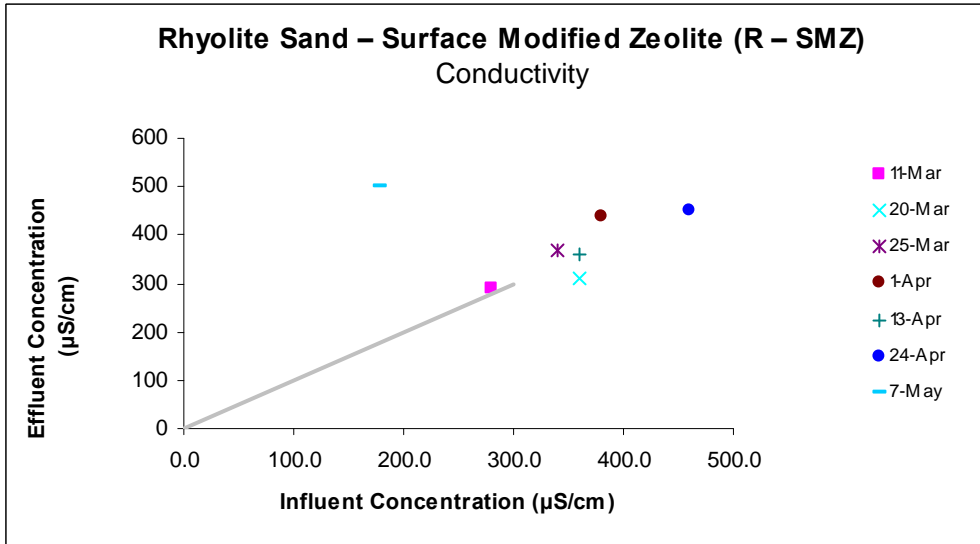
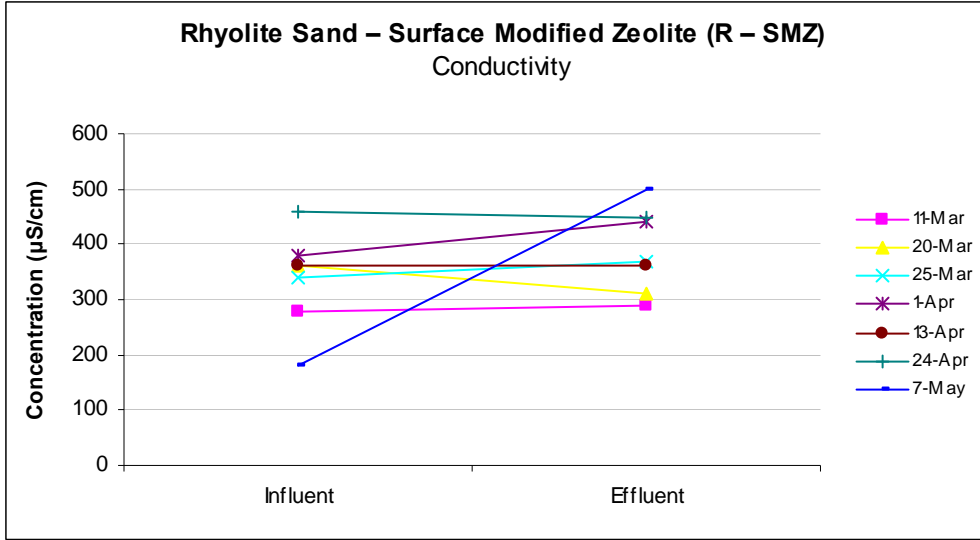
	df	SS	MS	F	Significance F
Regression	1.000	485.702	485.702	0.069	0.804
Residual	5.000	35400.012	7080.002		
Total	6.000	35885.714			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	423.103	135.623	3.120	0.026	74.472	771.734	74.472	771.734
X Variable 1	-0.102	0.391	-0.262	0.804	-1.108	0.903	-1.108	0.903

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	394.412	-104.412
2	386.215	-76.215
3	389.264	-18.264
4	384.165	55.835
5	386.215	-26.215
6	375.968	74.032
7	404.761	95.239





# ORP

## SUMMARY OUTPUT

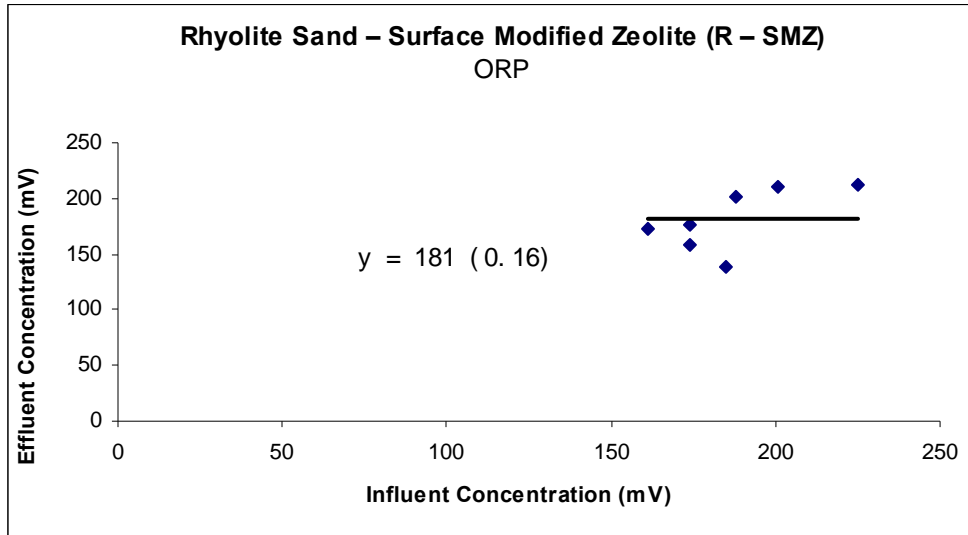
Regression Statistics	
Multiple R	0.855
R Square	0.428
Adjusted R Square	0.314
Standard Error	23.442
Observations	7.000

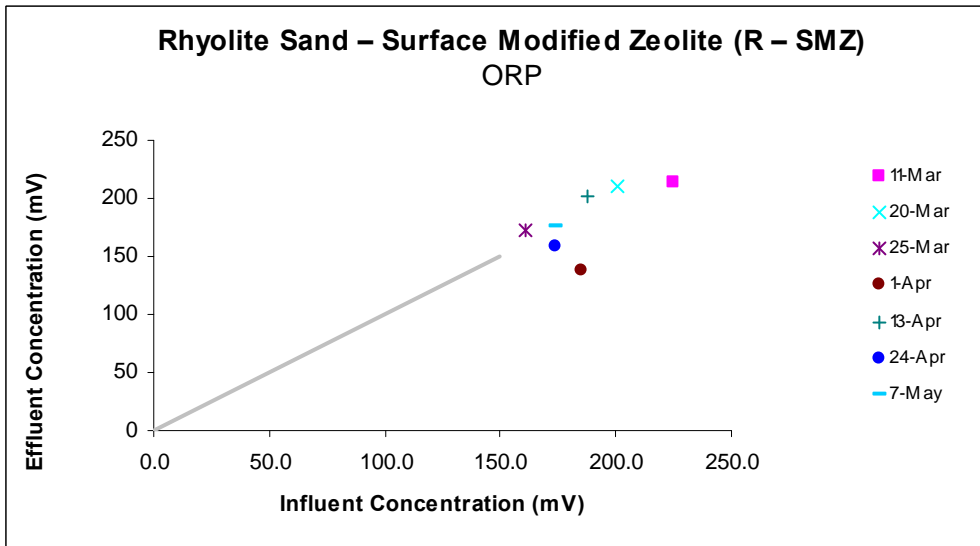
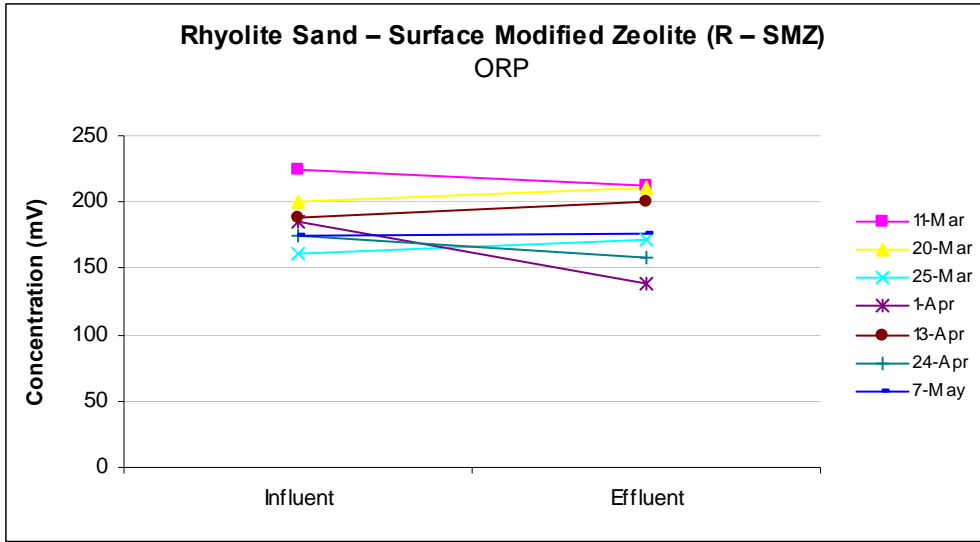
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	2059.884	2059.884	3.749	0.111
Residual	5.000	2747.545	549.509		
Total	6.000	4807.429			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	16.817	85.408	0.197	0.852	-202.732	236.365	-202.732	236.365
X Variable 1	0.880	0.455	1.936	0.111	-0.288	2.049	-0.288	2.049

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	214.858	-1.858
2	193.734	17.266
3	158.527	13.473
4	179.651	-41.851
5	182.292	18.708
6	169.969	-11.969
7	169.969	0.031





# Color

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.896
R Square	0.802
Adjusted R Square	0.636
Standard Error	75.028
Observations	7.000

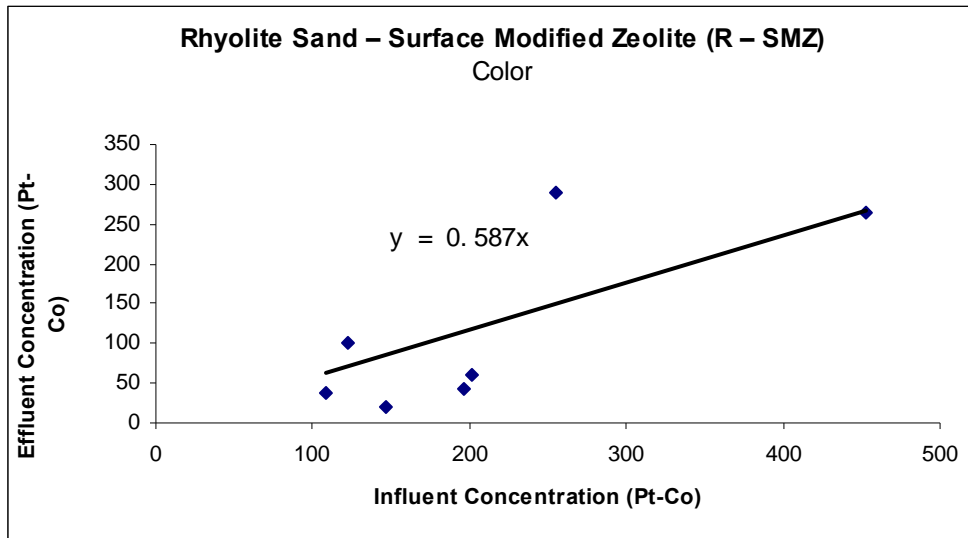
## ANOVA

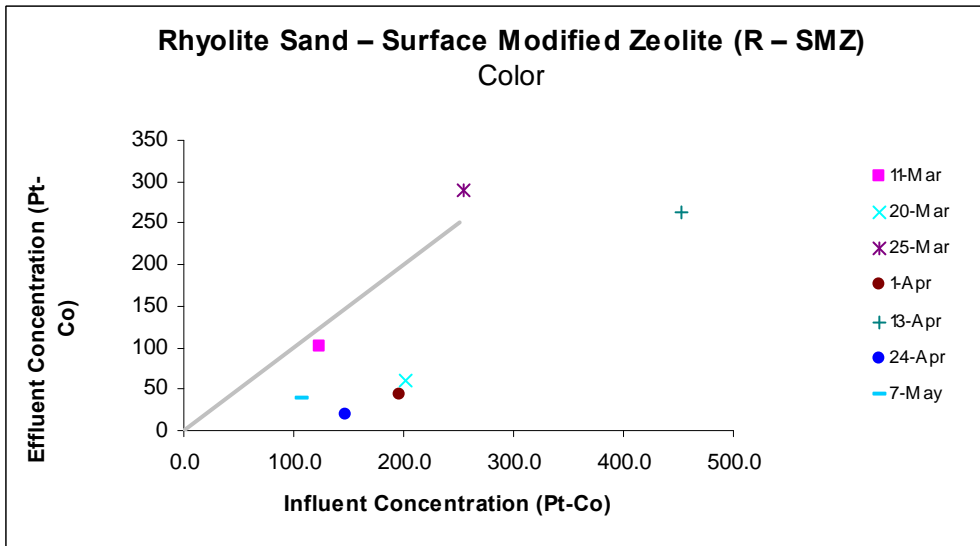
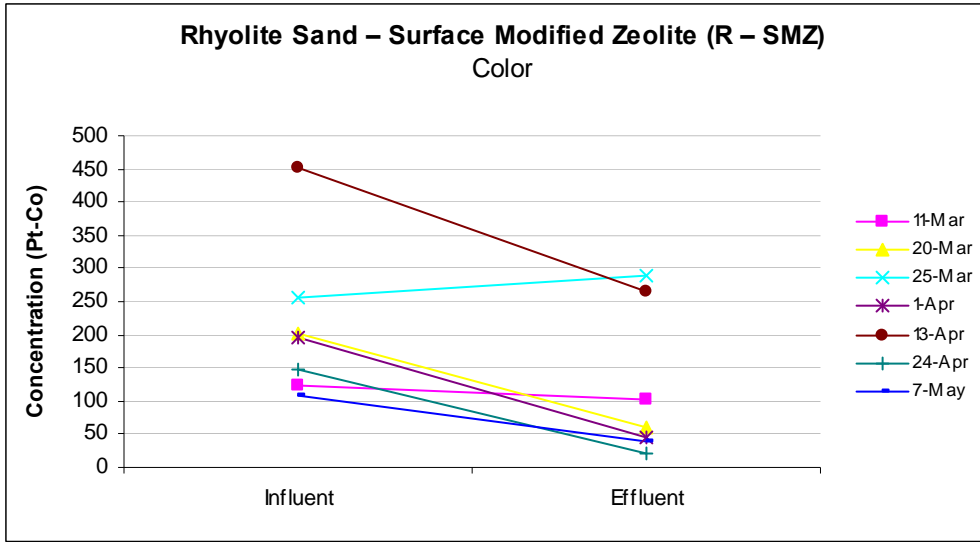
	df	SS	MS	F	Significance F
Regression	1.000	137022.477	137022.477	24.341	0.004
Residual	6.000	33775.523	5629.254		
Total	7.000	170798.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
XVariable 1	0.587	0.119	4.934	0.003	0.296	0.878	0.296	0.878

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	72.184	28.816
2	117.960	-57.960
3	149.651	139.349
4	115.612	-71.612
5	265.850	-1.850
6	86.269	-66.269
7	63.381	-25.381







# Fluoride

## SUMMARY OUTPUT

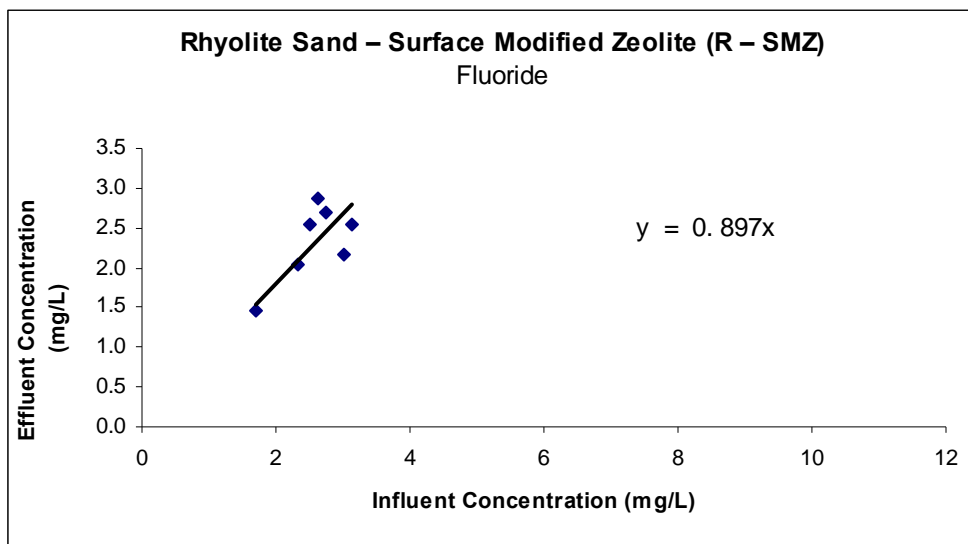
Regression Statistics	
Multiple R	0.990
R Square	0.980
Adjusted R Square	0.814
Standard Error	0.360
Observations	7.000

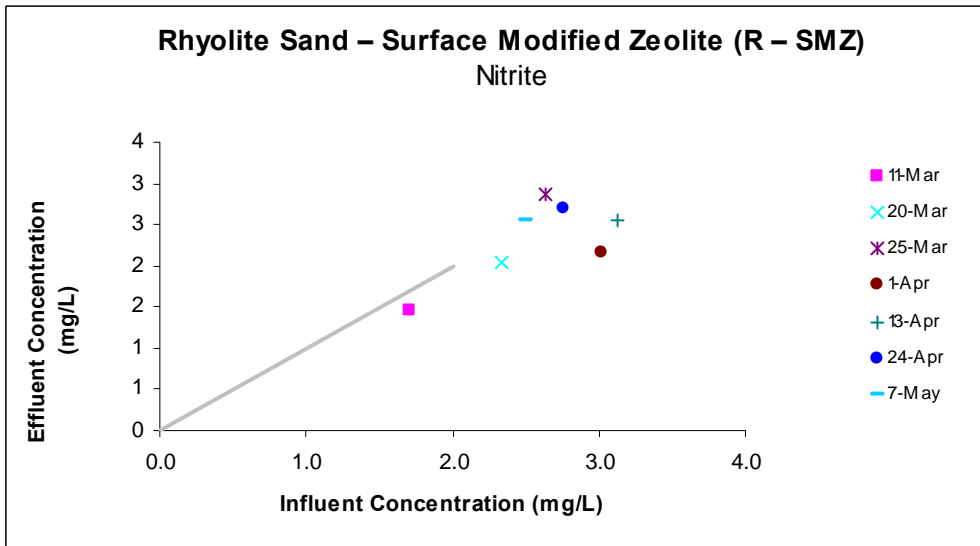
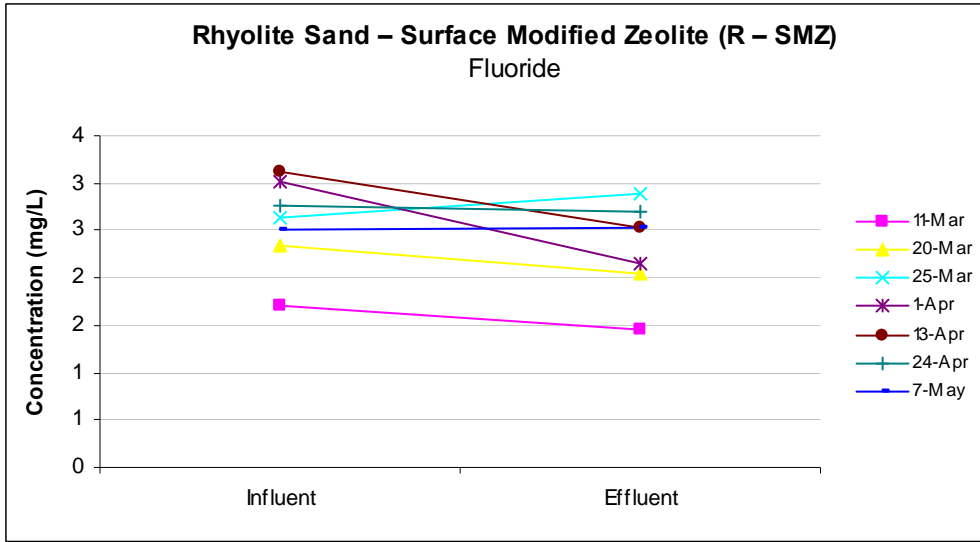
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	38.670	38.670	298.688	0.000
Residual	6.000	0.777	0.129		
Total	7.000	39.446			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.897	0.052	17.283	0.000	0.770	1.024	0.770	1.024

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.525	-0.065
2	2.099	-0.059
3	2.368	0.512
4	2.709	-0.549
5	2.799	-0.259
6	2.476	0.224
7	2.243	0.297





# Sulfate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.661
R Square	0.438
Adjusted R Square	0.325
Standard Error	3.531
Observations	7.000

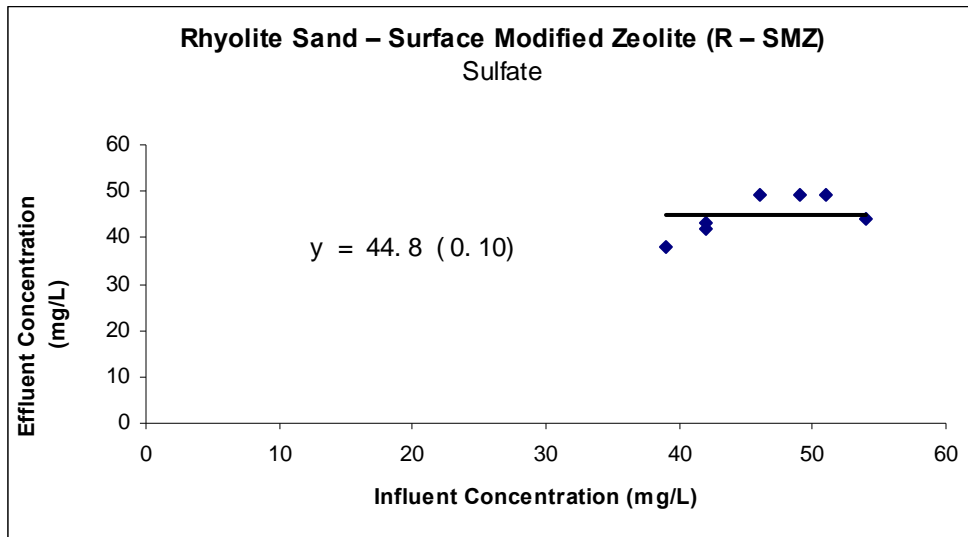
## ANOVA

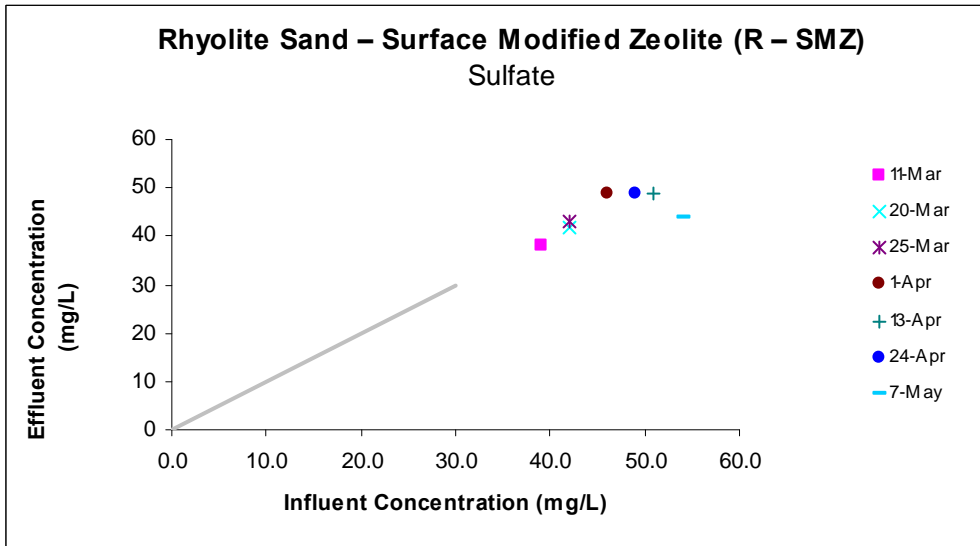
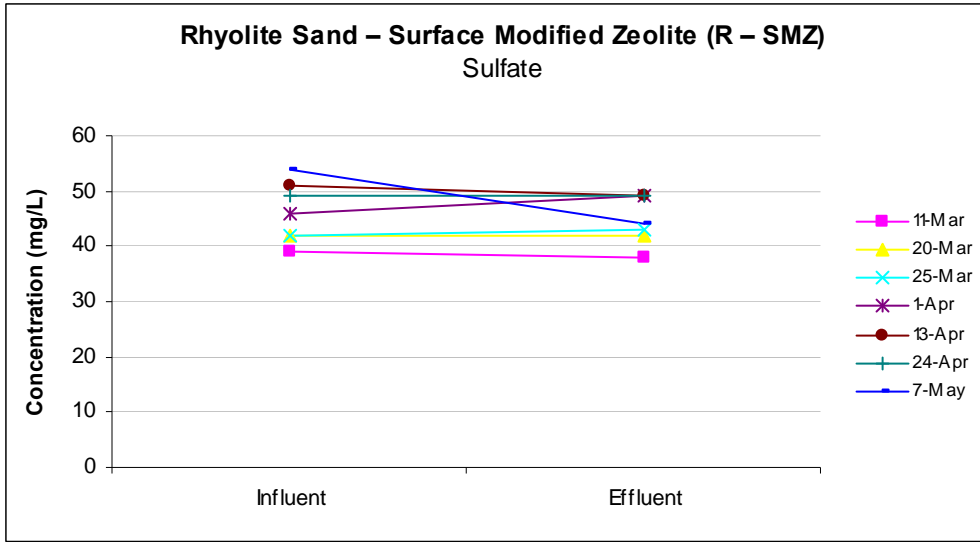
	df	SS	MS	F	Significance F
Regression	1.000	48.506	48.506	3.890	0.106
Residual	5.000	62.351	12.470		
Total	6.000	110.857			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	20.827	12.257	1.699	0.150	-10.680	52.335	-10.680	52.335
X Variable 1	0.521	0.264	1.972	0.106	-0.158	1.200	-0.158	1.200

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	41.137	-3.137
2	42.700	-0.700
3	42.700	0.300
4	44.783	4.217
5	47.387	1.613
6	46.345	2.655
7	48.949	-4.949





# Phosphate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.178
R Square	0.032
Adjusted R Square	-0.162
Standard Error	0.296
Observations	7.000

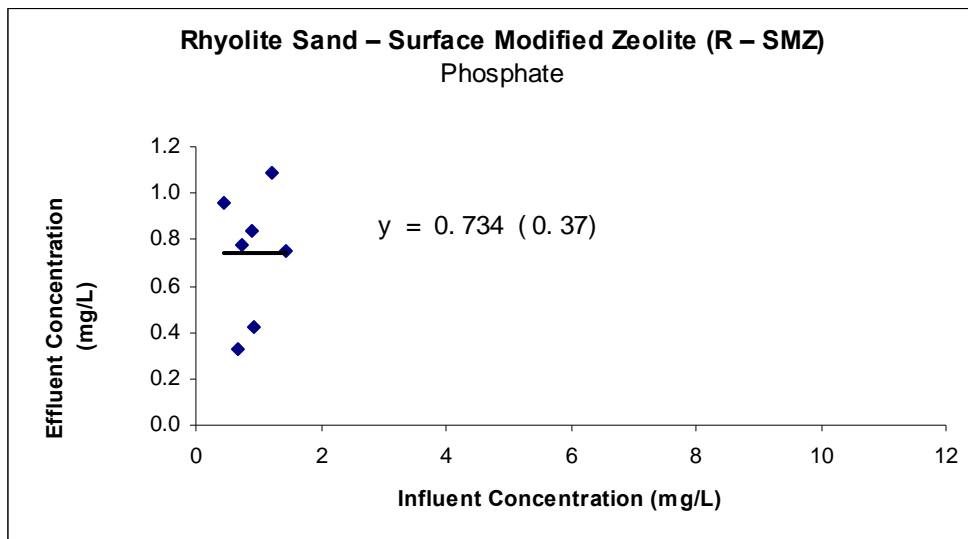
## ANOVA

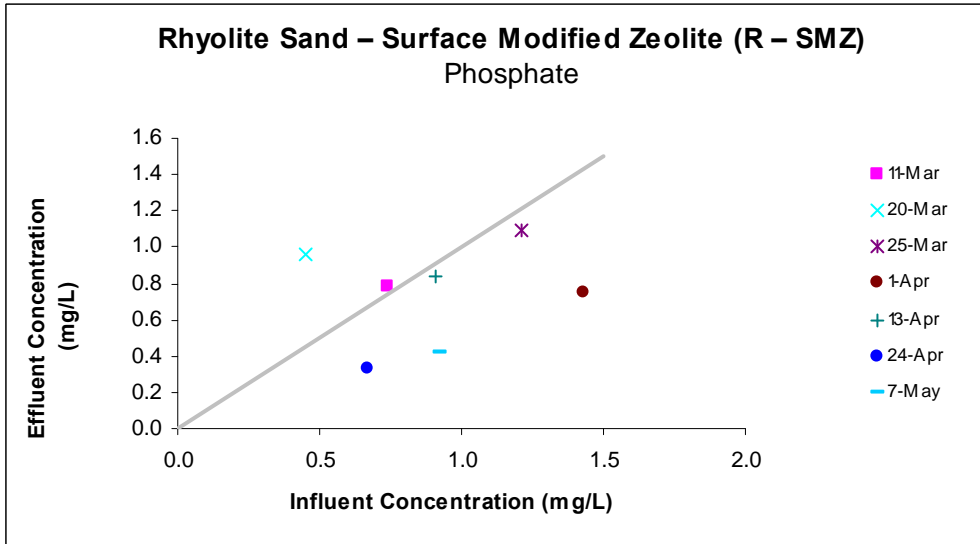
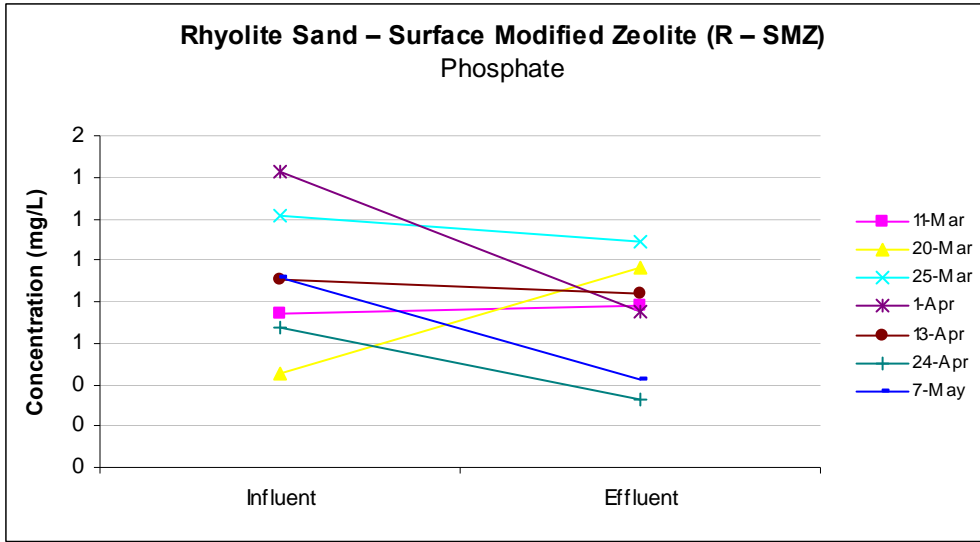
	df	SS	MS	F	Significance F
Regression	1.000	0.014	0.014	0.164	0.702
Residual	5.000	0.439	0.088		
Total	6.000	0.453			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.605	0.349	1.735	0.143	-0.291	1.501	-0.291	1.501
X Variable 1	0.148	0.365	0.405	0.702	-0.791	1.086	-0.791	1.086

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.714	0.066
2	0.671	0.289
3	0.784	0.306
4	0.816	-0.066
5	0.739	0.101
6	0.704	-0.374
7	0.741	-0.321





# TN

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.522
R Square	0.273
Adjusted R Square	0.127
Standard Error	5.258
Observations	7.000

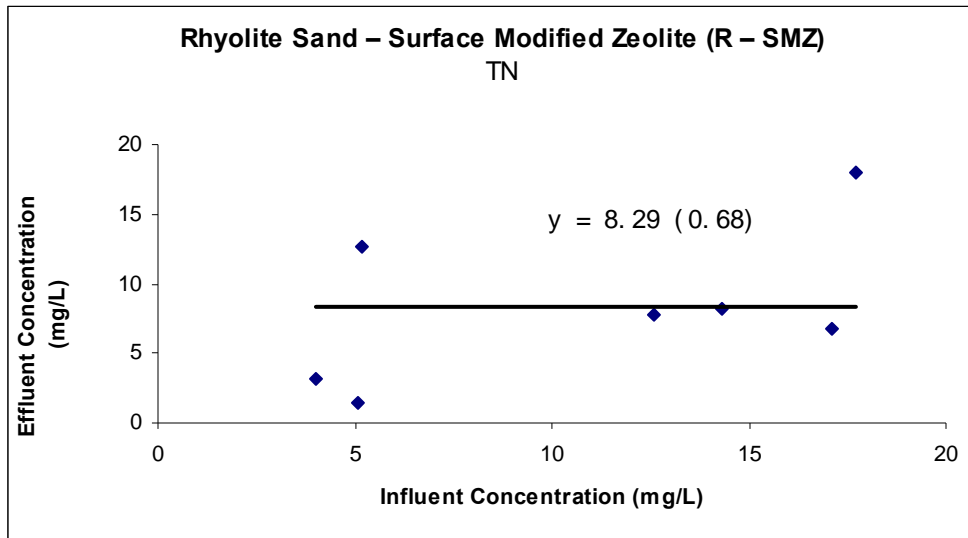
## ANOVA

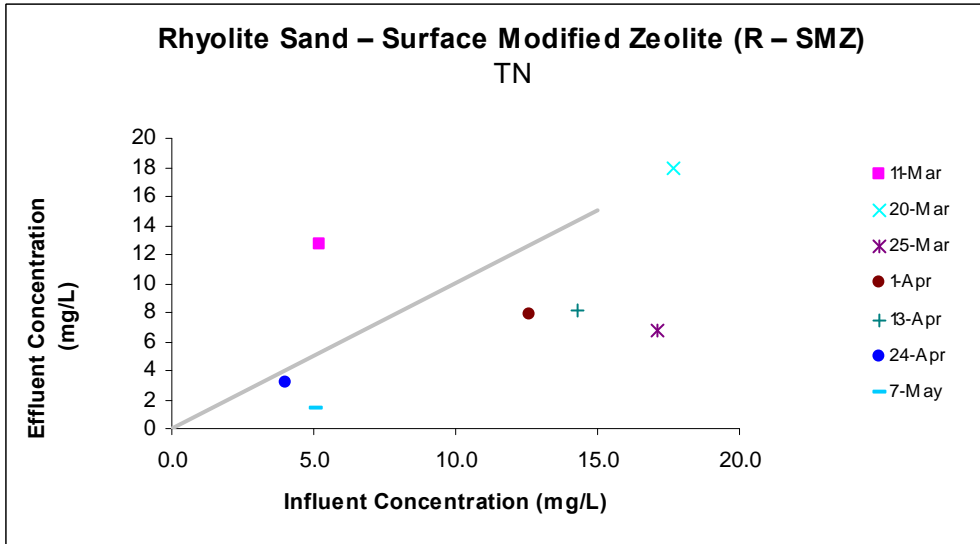
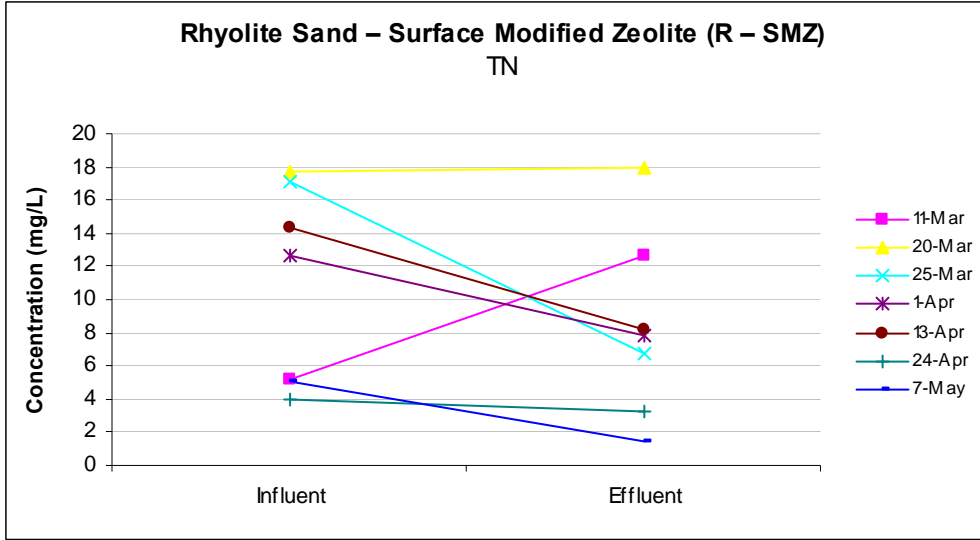
	df	SS	MS	F	Significance F
Regression	1.000	51.771	51.771	1.874	0.229
Residual	5.000	138.117	27.623		
Total	6.000	189.889			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	2.931	4.387	0.668	0.534	-8.345	14.208	-8.345	14.208
X Variable 1	0.493	0.360	1.369	0.229	-0.433	1.419	-0.433	1.419

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	5.496	7.204
2	11.660	6.340
3	11.365	-4.665
4	9.145	-1.345
5	9.984	-1.784
6	4.904	-1.704
7	5.446	-4.046







# UV 254

## SUMMARY OUTPUT

Regression Statistics	
Multiple F	0.985
R Square	0.970
Adjusted R	0.803
Standard Error	0.131
Observations	7.000

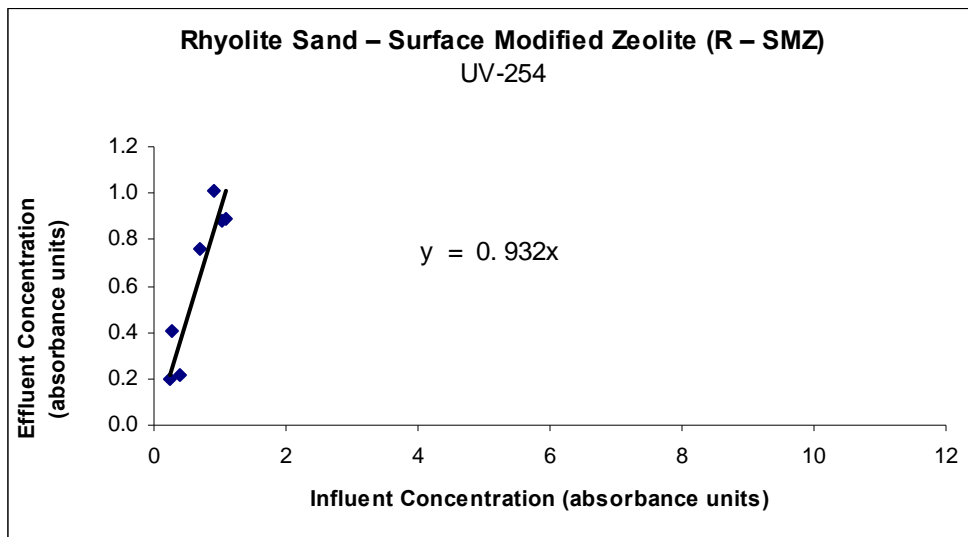
## ANOVA

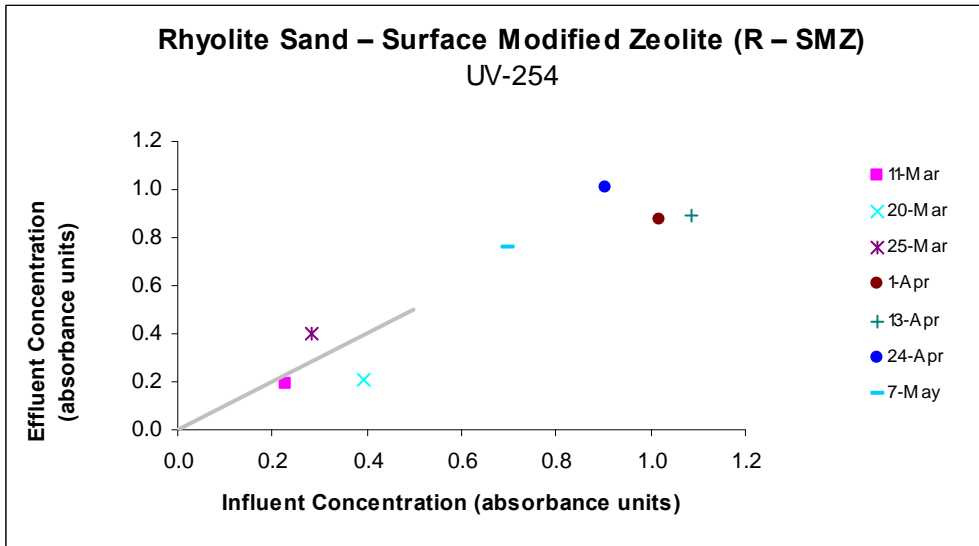
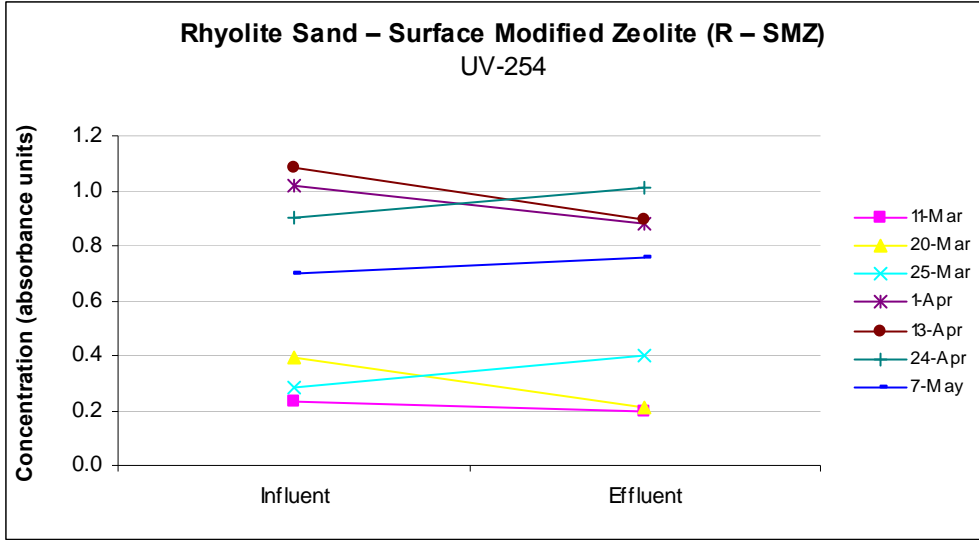
	df	SS	MS	F	Significance F
Regression	1.000	3.308	3.308	191.446	0.000
Residual	6.000	0.104	0.017		
Total	7.000	3.412			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable	0.932	0.067	13.836	0.000	0.767	1.097	0.767	1.097

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.214	-0.019
2	0.368	-0.156
3	0.266	0.137
4	0.951	-0.073
5	1.010	-0.118
6	0.843	0.168
7	0.649	0.111





# Chloride

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.187
R Square	0.035
Adjusted R Square	-0.158
Standard Error	16.656
Observations	7.000

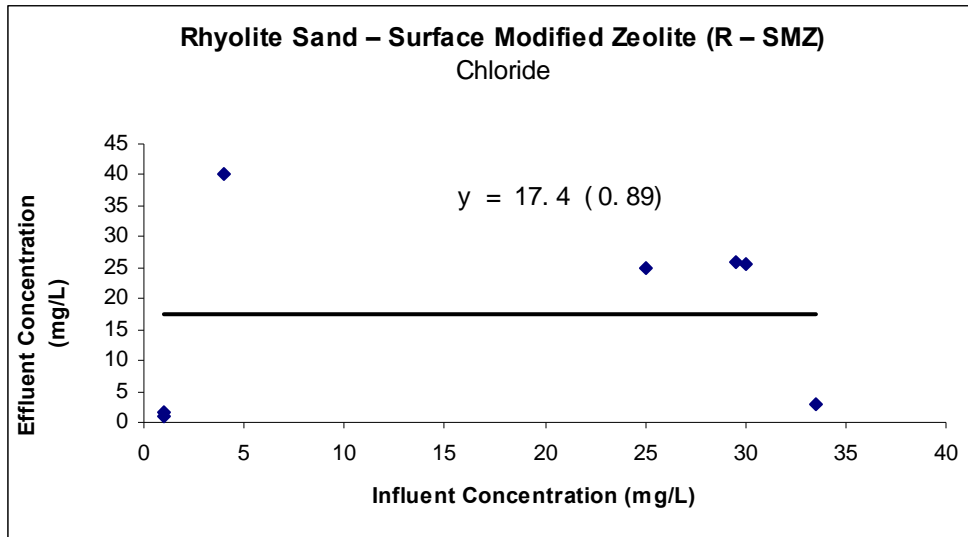
## ANOVA

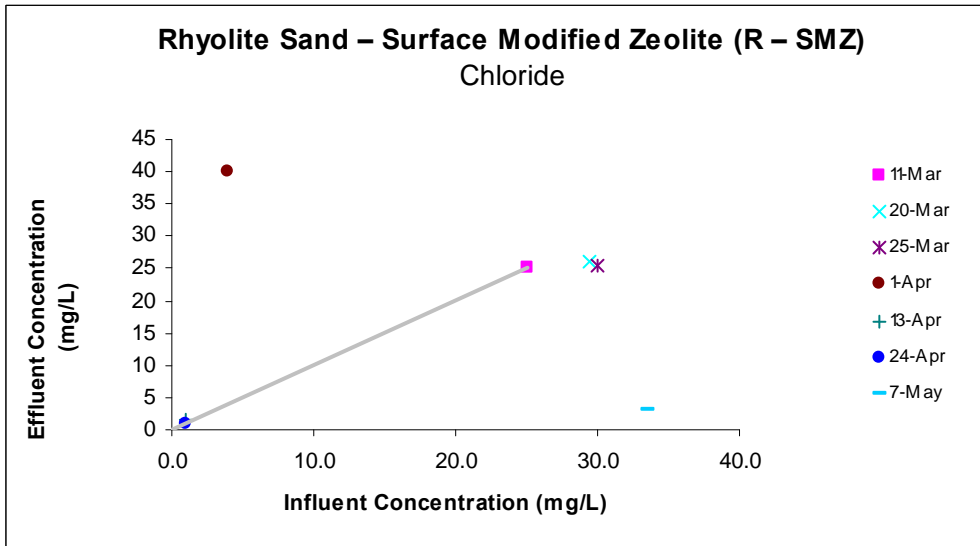
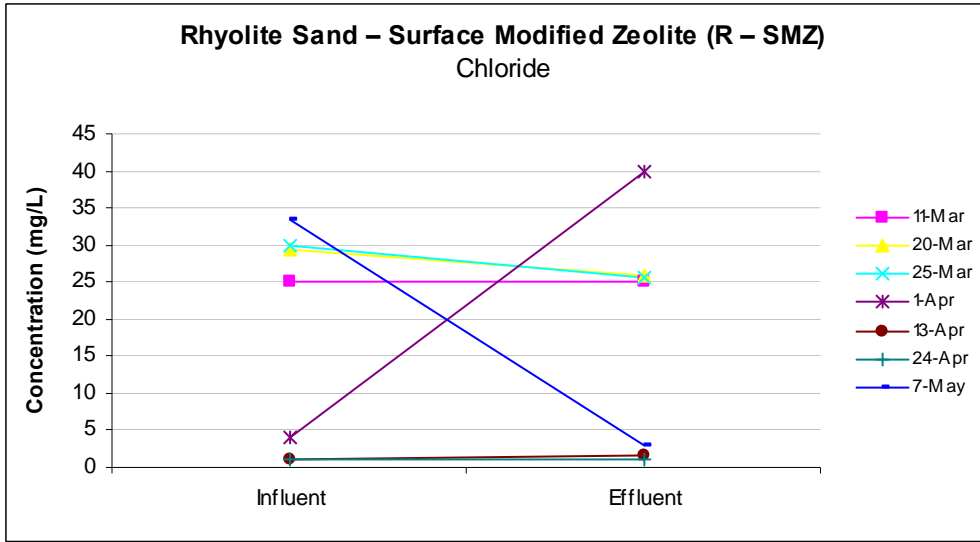
	df	SS	MS	F	Significance F
Regression	1.000	50.045	50.045	0.180	0.689
Residual	5.000	1387.169	277.434		
Total	6.000	1437.214			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	14.004	10.230	1.369	0.229	-12.293	40.301	-12.293	40.301
X Variable 1	0.193	0.455	0.425	0.689	-0.977	1.363	-0.977	1.363

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	18.837	6.163
2	19.707	6.293
3	19.804	5.696
4	14.777	25.223
5	14.197	-12.697
6	14.197	-13.197
7	20.480	-17.480





# Hardness

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.013
R Square	0.000
Adjusted R Square	-0.200
Standard Error	16.488
Observations	7.000

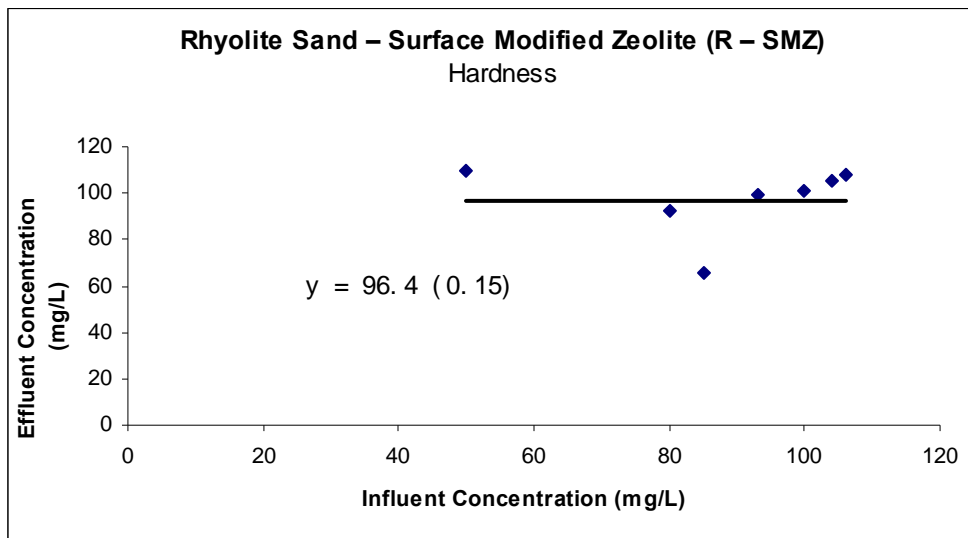
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.222	0.222	0.001	0.978
Residual	5.000	1359.207	271.841		
Total	6.000	1359.429			

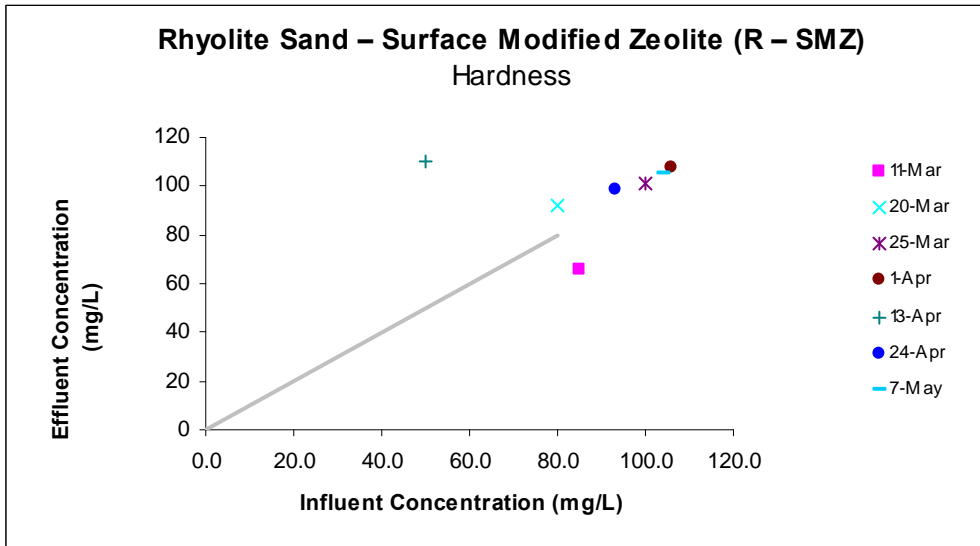
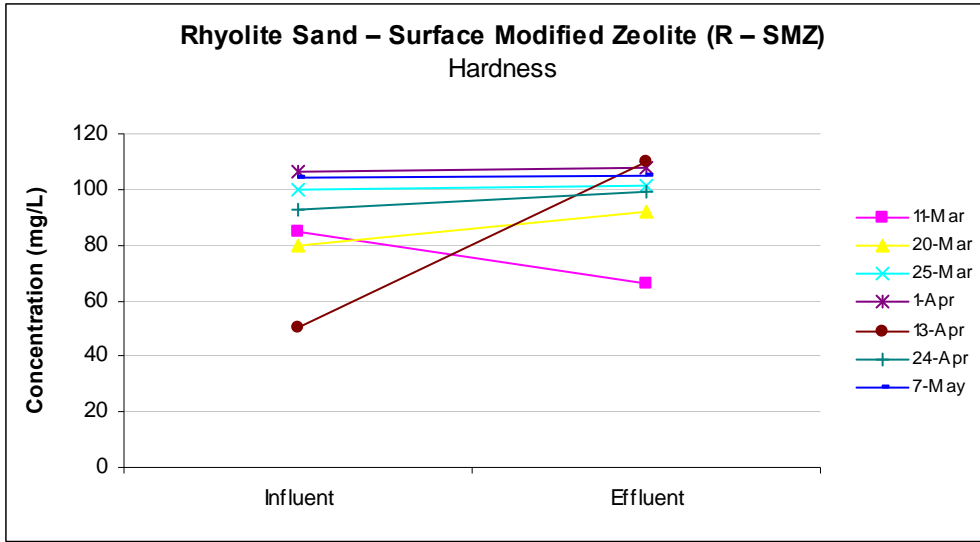
  

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	96.412	31.211	3.089	0.027	16.181	176.642	16.181	176.642
X Variable 1	0.010	0.346	0.029	0.978	-0.881	0.900	-0.881	0.900

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	97.253	-31.253
2	97.204	-5.204
3	97.402	3.598
4	97.461	10.539
5	96.907	13.093
6	97.332	1.668
7	97.441	7.559





# NO2+NO3

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.647
R Square	0.418
Adjusted R Square	0.302
Standard Error	0.488
Observations	7.000

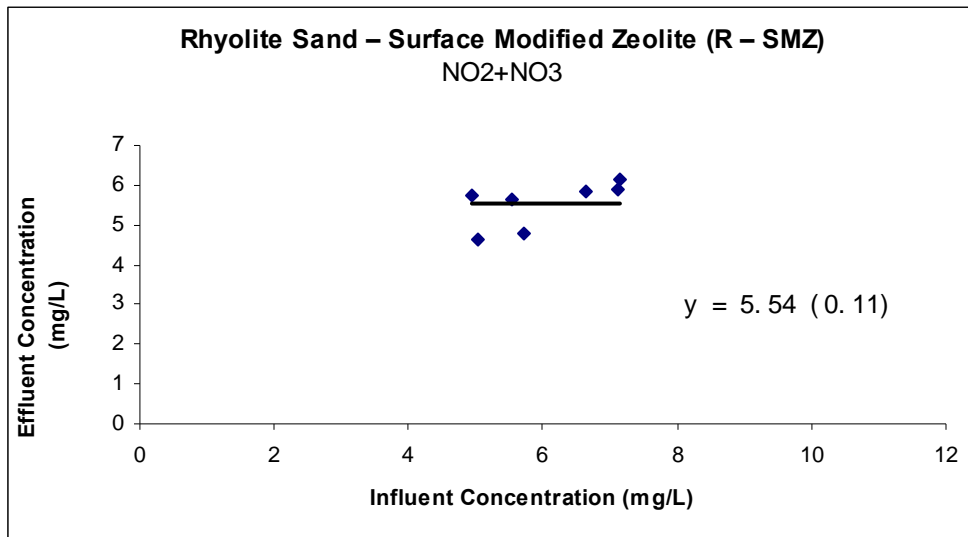
## ANOVA

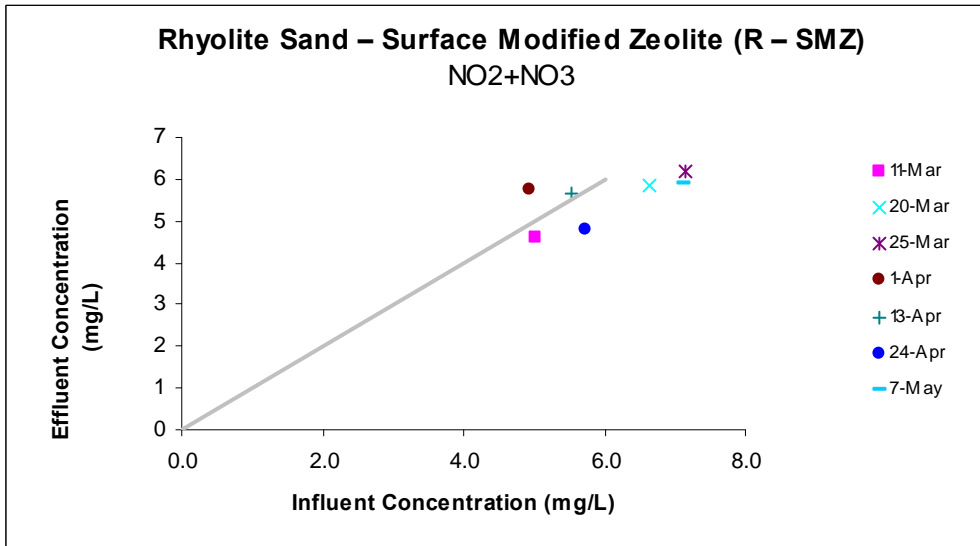
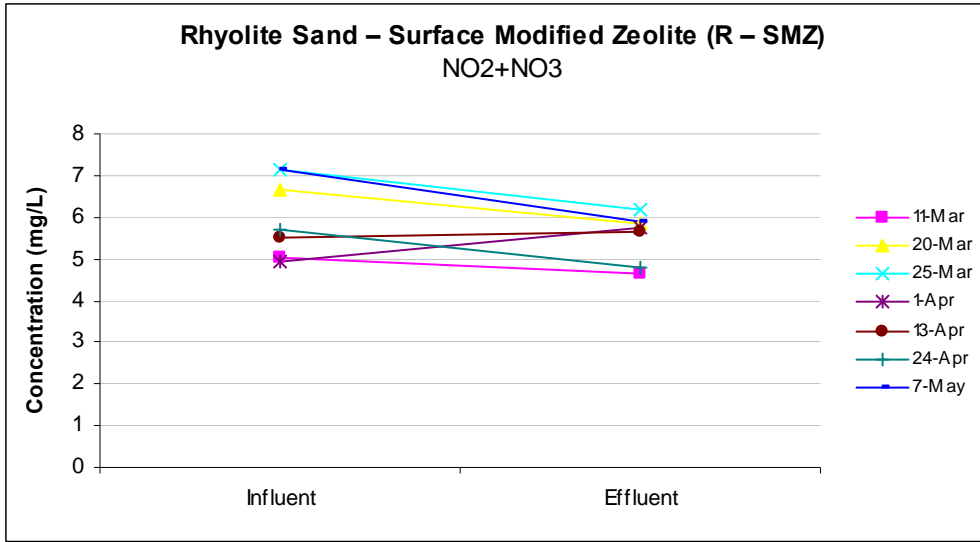
	df	SS	MS	F	Significance F
Regression	1.000	0.856	0.856	3.591	0.117
Residual	5.000	1.192	0.238		
Total	6.000	2.047			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	3.133	1.281	2.445	0.058	-0.160	6.426	-0.160	6.426
X Variable 1	0.399	0.211	1.895	0.117	-0.142	0.941	-0.142	0.941

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	5.138	-0.513
2	5.787	0.044
3	5.986	0.178
4	5.103	0.652
5	5.340	0.307
6	5.417	-0.610
7	5.974	-0.058







# Rhyolite Sand – Surface Modified Zeolite – Granular Activated Carbon (R – SMZ – G) Mixed Media

## Nitrite

R-SMZ-GAC

SUMMARY OUTPUT

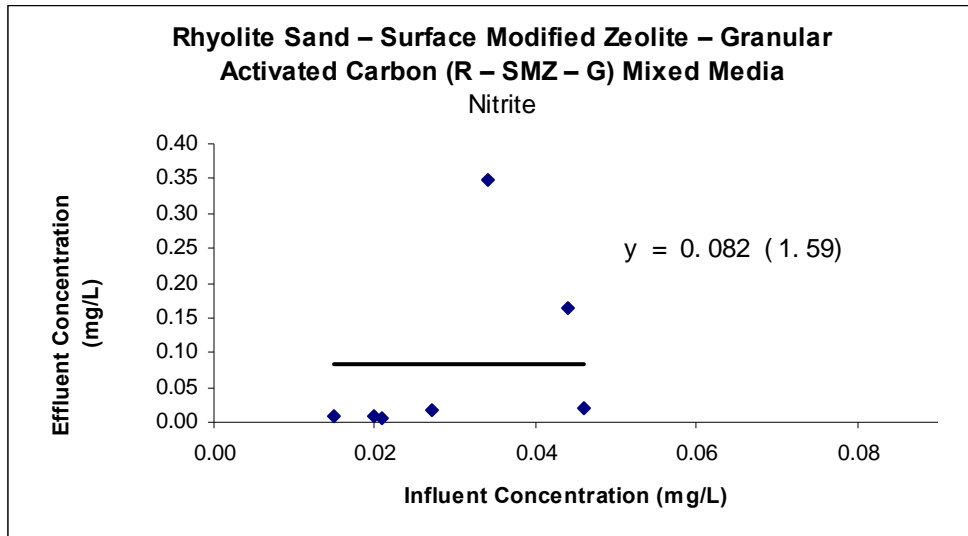
Regression Statistics	
Multiple R	0.413
R Square	0.171
Adjusted R Square	0.005
Standard Error	0.130
Observations	7.000

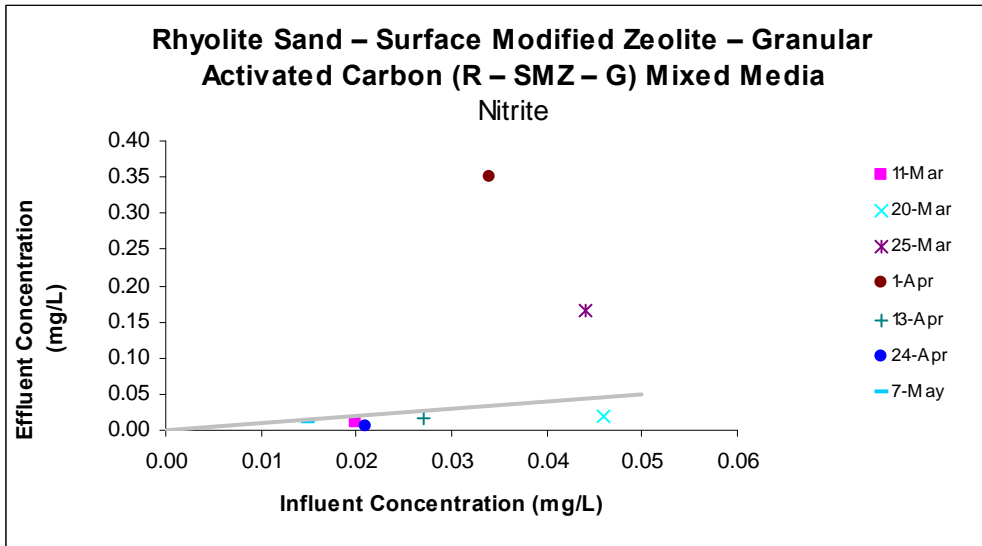
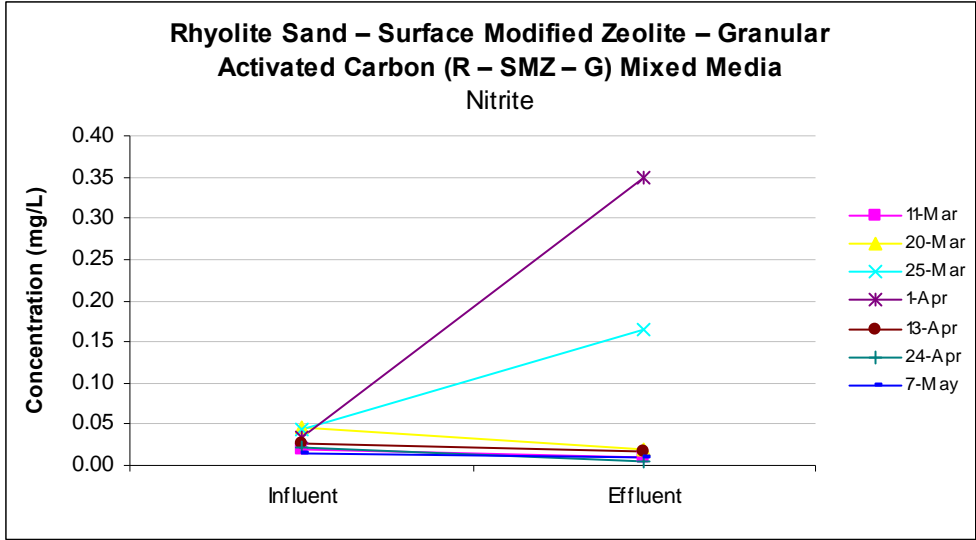
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.017	0.017	1.028	0.357
Residual	5.000	0.085	0.017		
Total	6.000	0.103			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-0.049	0.139	-0.356	0.737	-0.407	0.308	-0.407	0.308
X Variable 1	4.454	4.392	1.014	0.357	-6.837	15.745	-6.837	15.745

RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.040	-0.030
2	0.155	-0.135
3	0.147	0.018
4	0.102	0.247
5	0.071	-0.054
6	0.044	-0.039
7	0.017	-0.007





# Nitrate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.422
R Square	0.178
Adjusted R Square	0.014
Standard Error	2.576
Observations	7.000

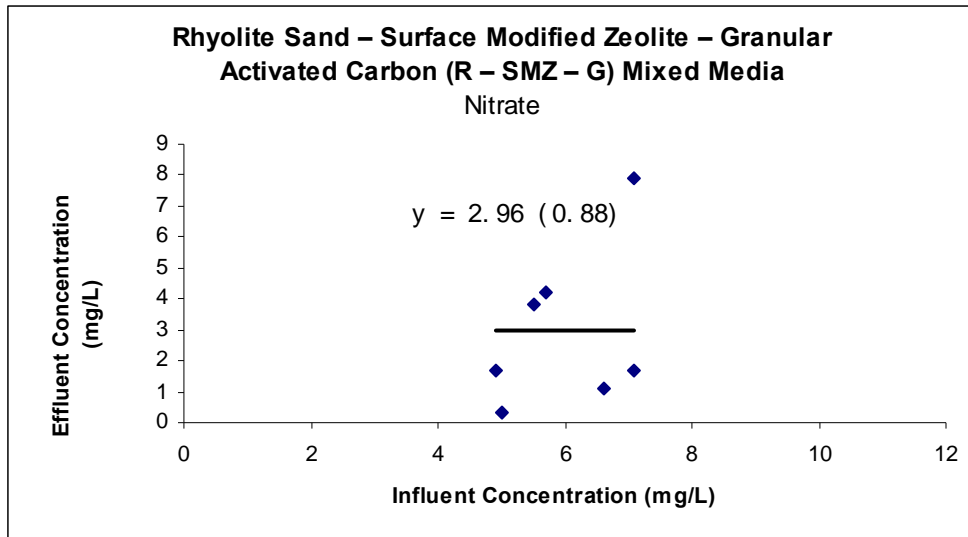
## ANOVA

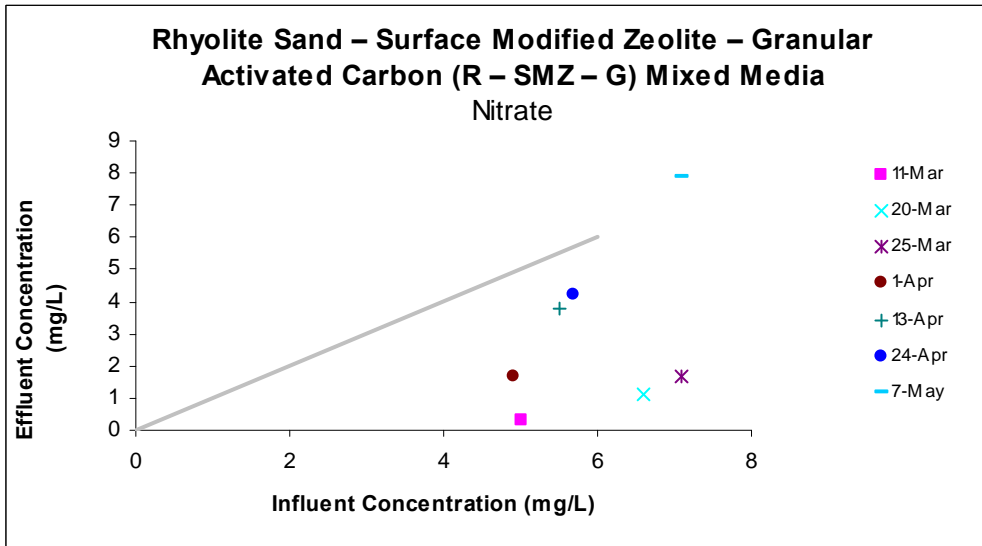
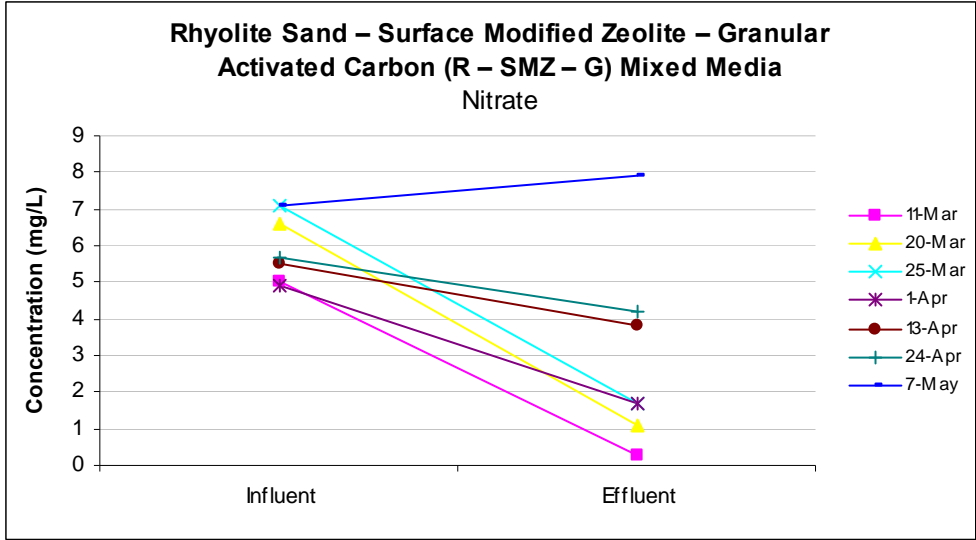
	df	SS	MS	F	Significance F
Regression	1.000	7.181	7.181	1.082	0.346
Residual	5.000	33.176	6.635		
Total	6.000	40.357			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-3.991	6.750	-0.591	0.580	-21.343	13.360	-21.343	13.360
X Variable 1	1.161	1.116	1.040	0.346	-1.708	4.029	-1.708	4.029

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.813	-1.513
2	3.670	-2.570
3	4.251	-2.551
4	1.697	0.003
5	2.393	1.407
6	2.625	1.575
7	4.251	3.649





# Ammonia

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.109
R Square	0.012
Adjusted R Square	-0.186
Standard Error	0.020
Observations	7.000

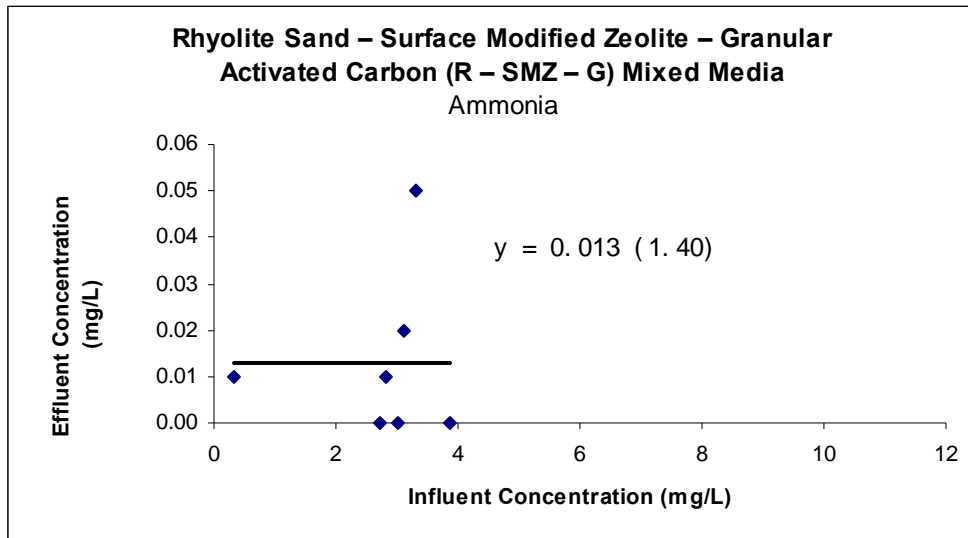
## ANOVA

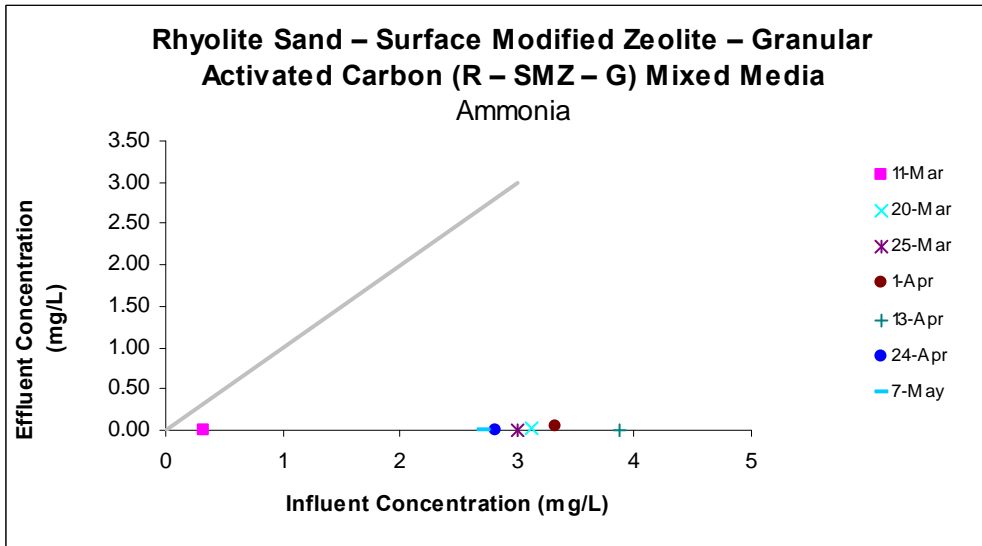
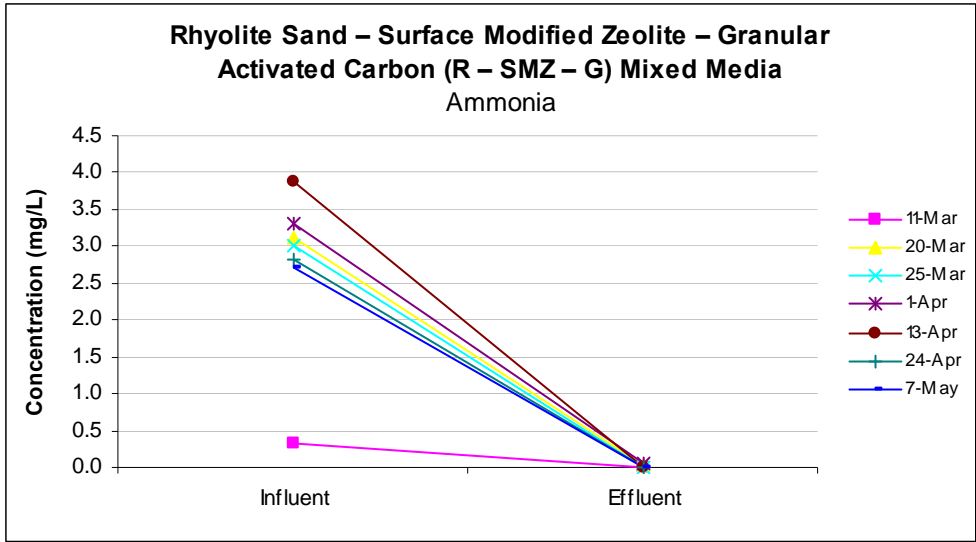
	df	SS	MS	F	Significance F
Regression	1.000	0.000	0.000	0.060	0.816
Residual	5.000	0.002	0.000		
Total	6.000	0.002			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.008	0.021	0.393	0.711	-0.045	0.061	-0.045	0.061
XVariable 1	0.002	0.007	0.245	0.816	-0.016	0.020	-0.016	0.020

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.009	0.001
2	0.014	0.006
3	0.013	-0.013
4	0.014	0.036
5	0.015	-0.015
6	0.013	-0.003
7	0.013	-0.013





# TP

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.013
R Square	0.000
Adjusted R Square	-0.200
Standard Error	0.514
Observations	7.000

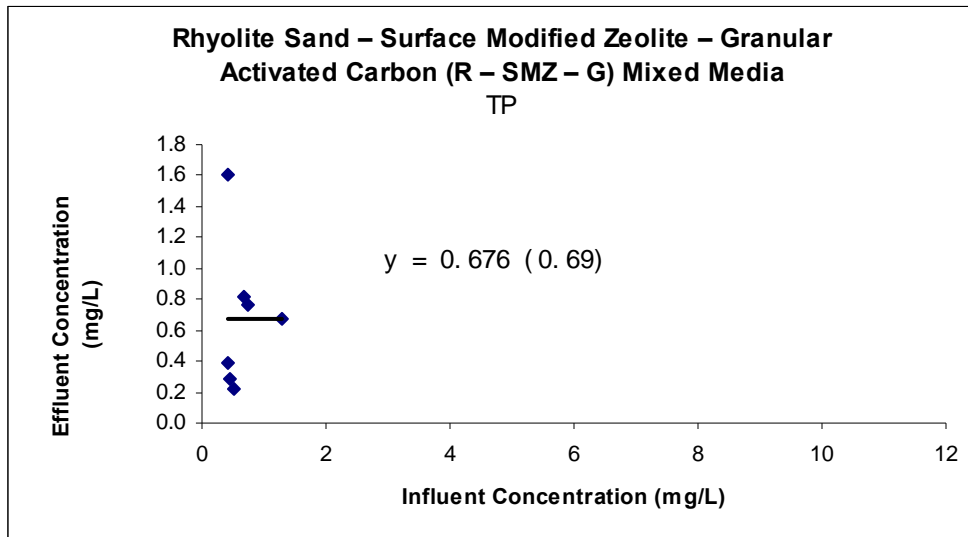
## ANOVA

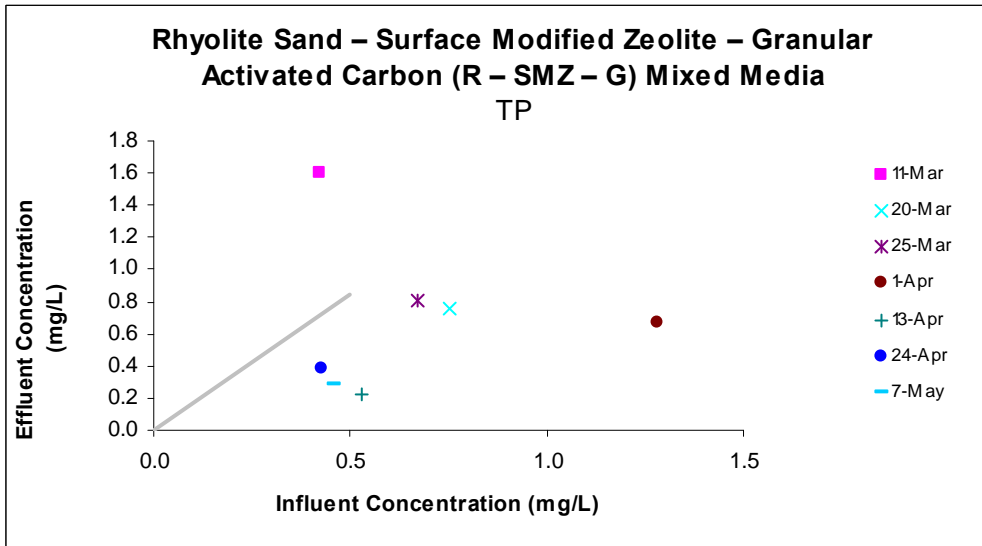
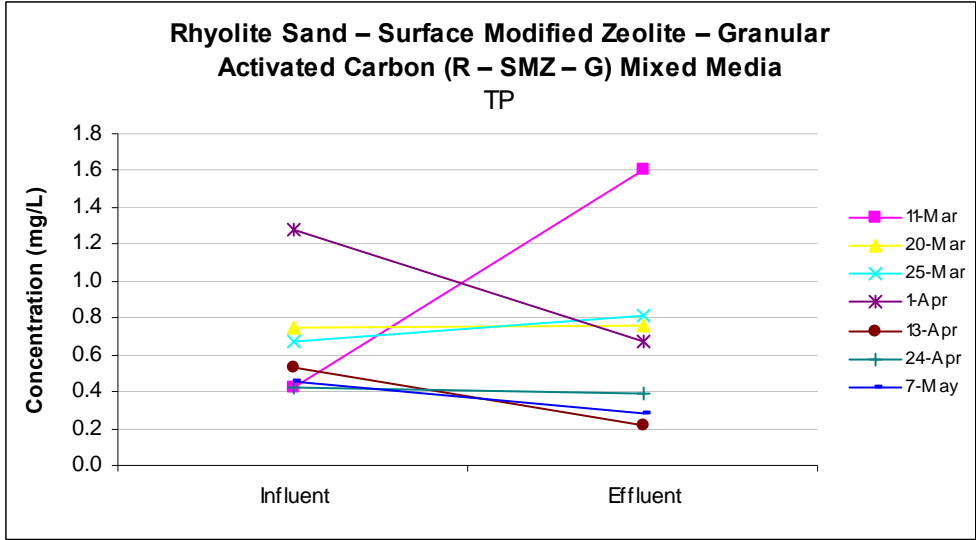
	df	SS	MS	F	Significance F
Regression	1.000	0.000	0.000	0.001	0.978
Residual	5.000	1.321	0.264		
Total	6.000	1.321			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.689	0.485	1.421	0.214	-0.557	1.935	-0.557	1.935
X Variable 1	-0.019	0.686	-0.028	0.978	-1.782	1.743	-1.782	1.743

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.681	0.919
2	0.674	0.086
3	0.676	0.134
4	0.664	0.006
5	0.679	-0.459
6	0.681	-0.293
7	0.680	-0.393







# COD

R-SMZ-GAC

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.343
R Square	0.118
Adjusted R Square	-0.059
Standard Error	8.012
Observations	7.000

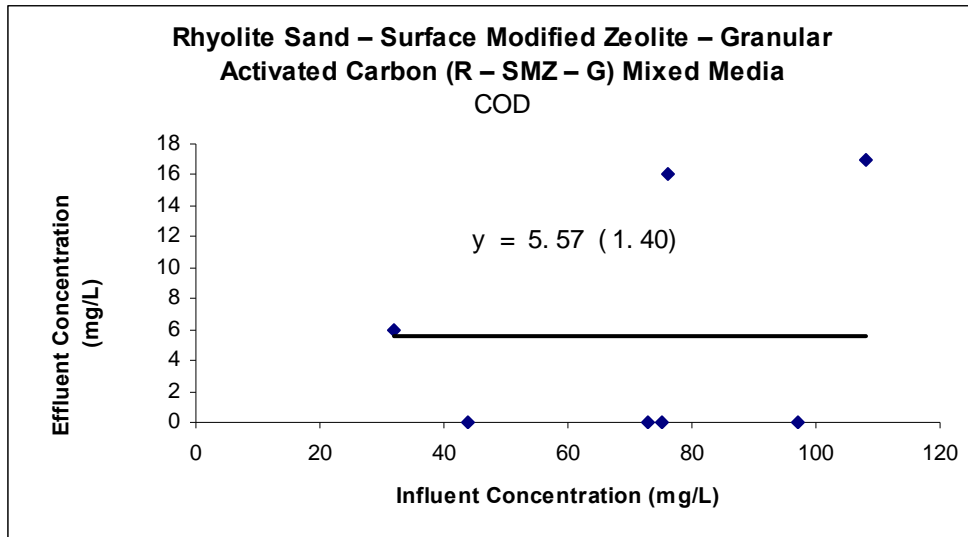
ANOVA

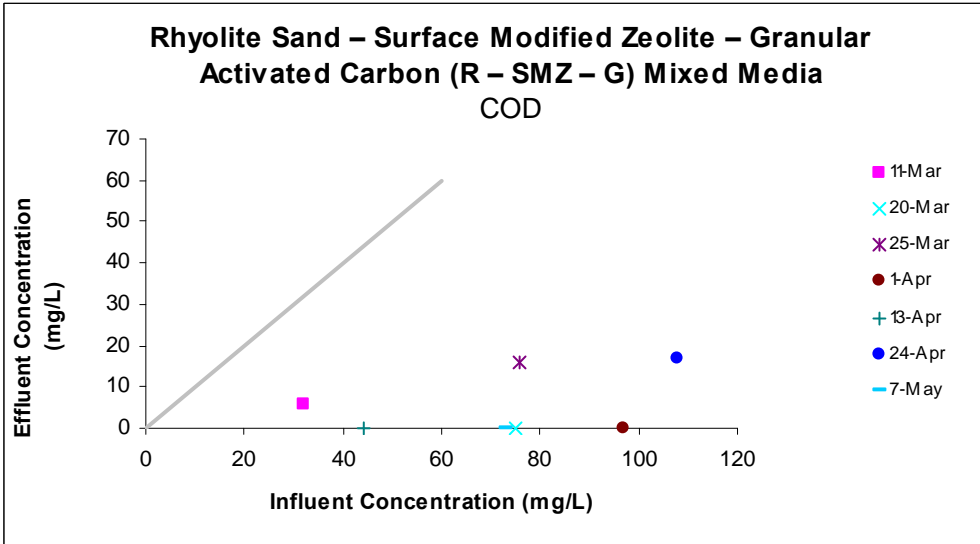
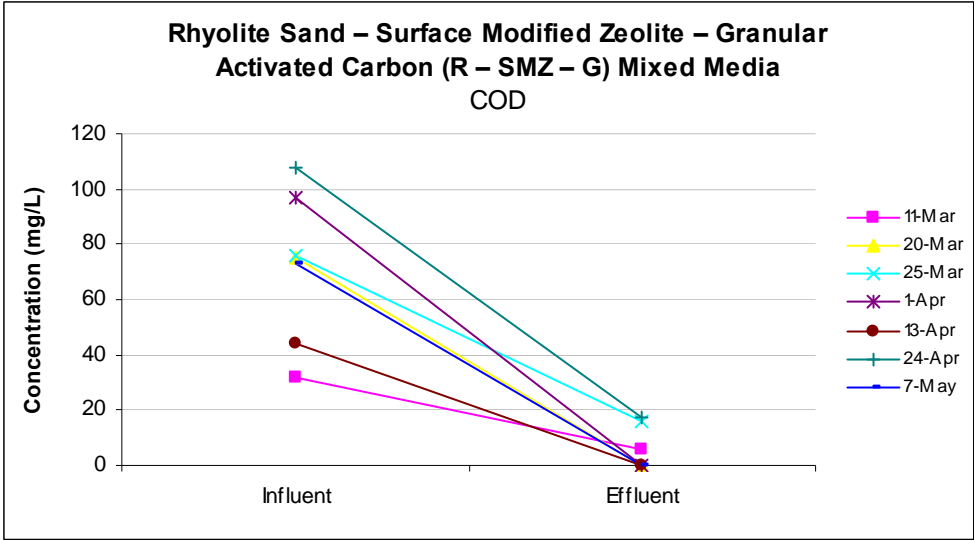
	df	SS	MS	F	Significance F
Regression	1.000	42.779	42.779	0.666	0.451
Residual	5.000	320.936	64.187		
Total	6.000	363.714			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-1.589	9.290	-0.172	0.870	-25.480	22.282	-25.480	22.282
X Variable 1	0.099	0.122	0.816	0.451	-0.214	0.412	-0.214	0.412

RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.582	4.418
2	5.855	-5.855
3	5.955	10.045
4	8.042	-8.042
5	2.774	-2.774
6	9.135	7.865
7	5.657	-5.657





# pH

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.054
R Square	0.003
Adjusted R Square	-0.196
Standard Error	0.464
Observations	7.000

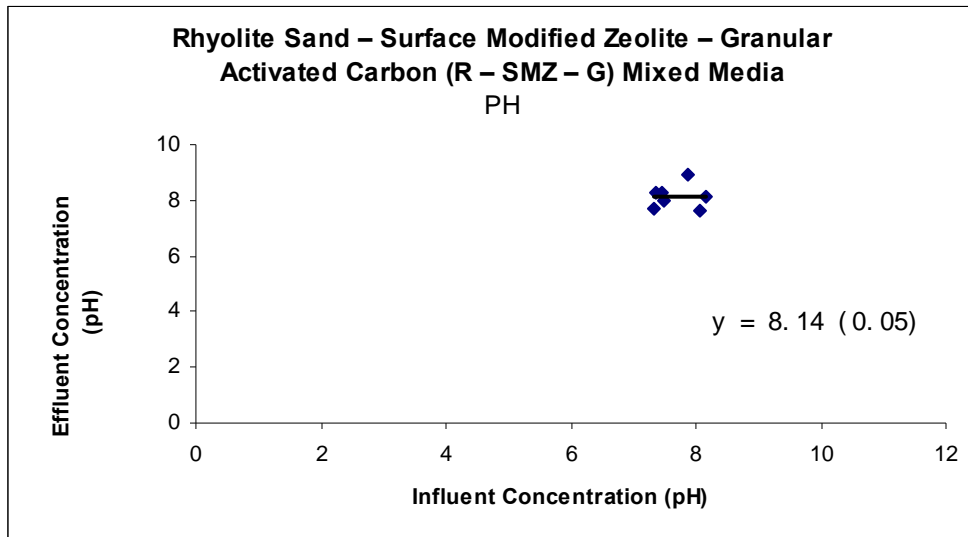
## ANOVA

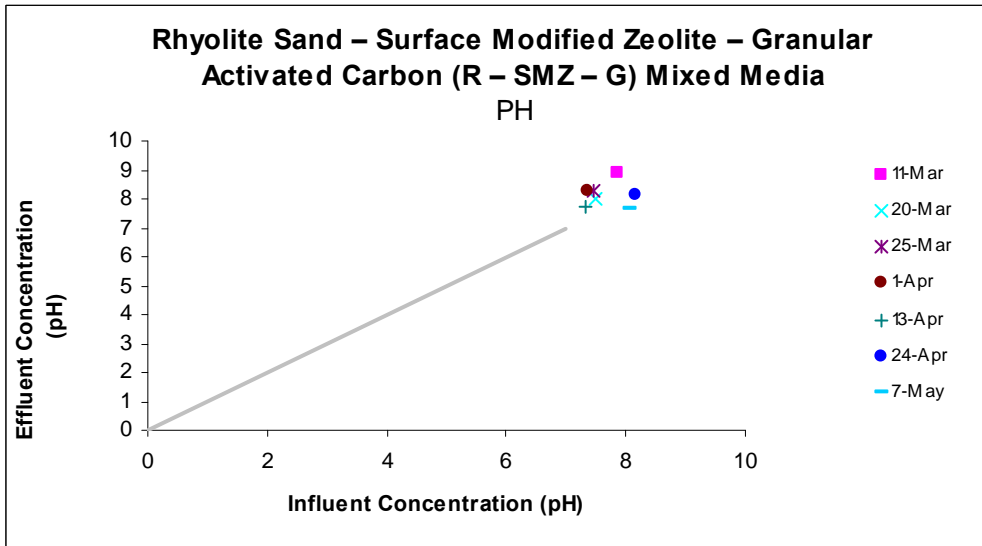
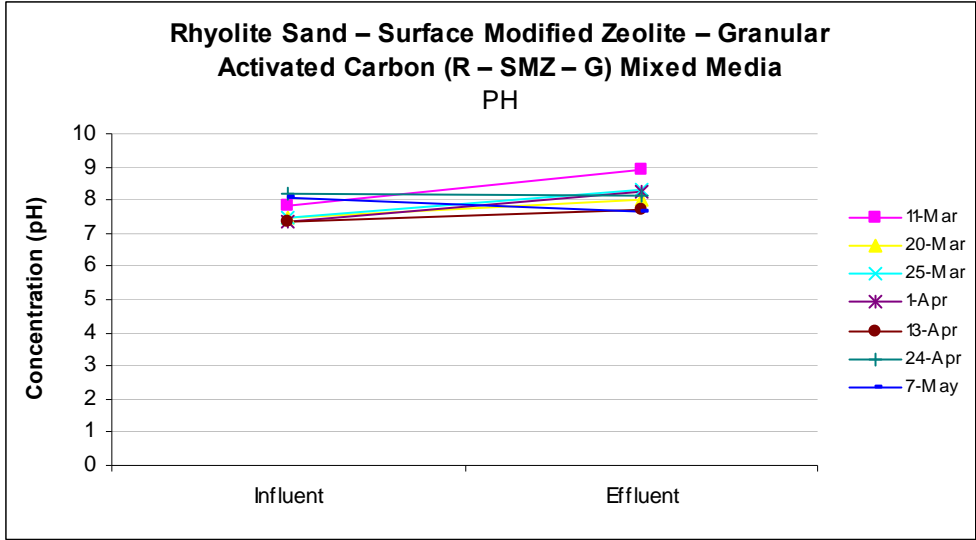
	df	SS	MS	F	Significance F
Regression	1.000	0.003	0.003	0.015	0.908
Residual	5.000	1.078	0.216		
Total	6.000	1.081			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	7.637	4.163	1.835	0.126	-3.064	18.339	-3.064	18.339
X Variable 1	0.066	0.542	0.122	0.908	-1.327	1.459	-1.327	1.459

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	8.155	0.765
2	8.130	-0.110
3	8.129	0.171
4	8.123	0.147
5	8.119	-0.409
6	8.175	-0.055
7	8.169	-0.509





# Conductivity

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.301
R Square	0.090
Adjusted R Square	-0.091
Standard Error	79.038
Observations	7.000

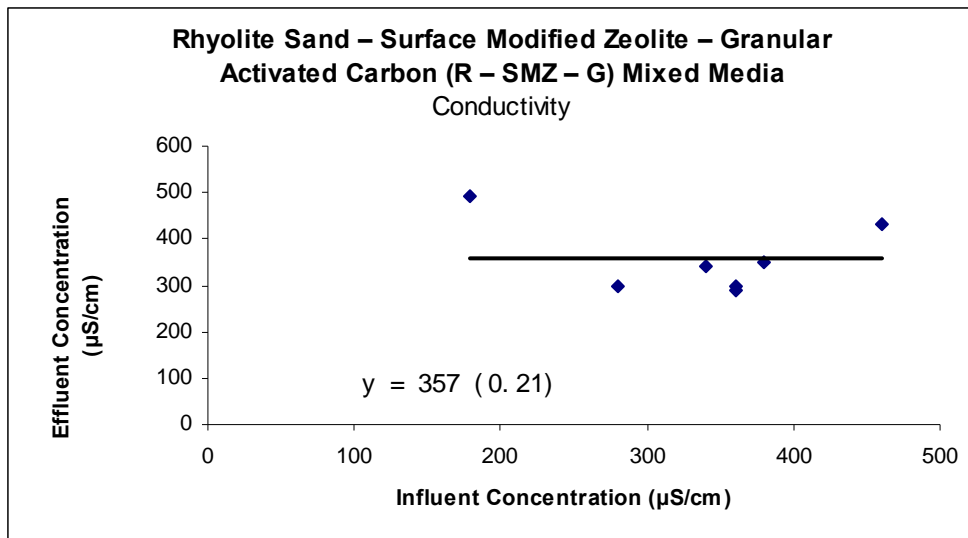
## ANOVA

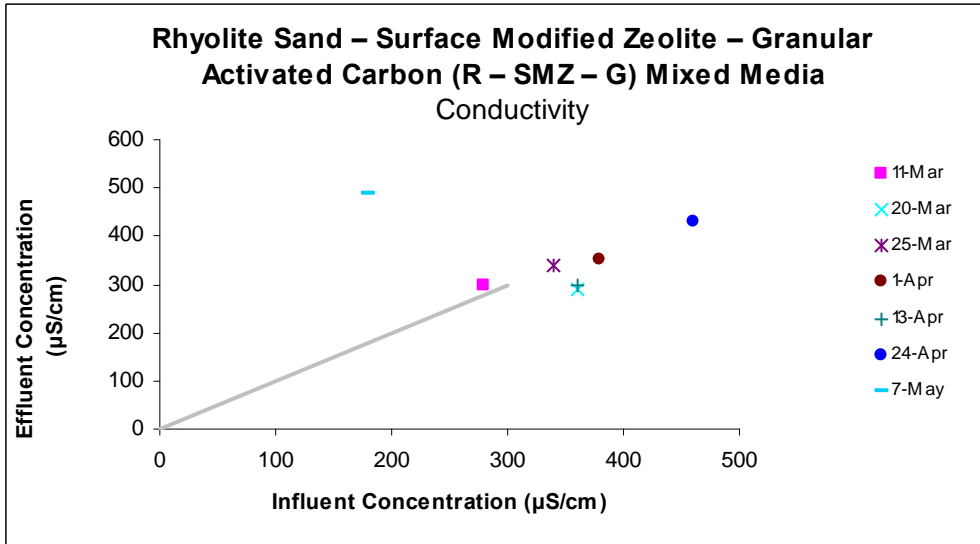
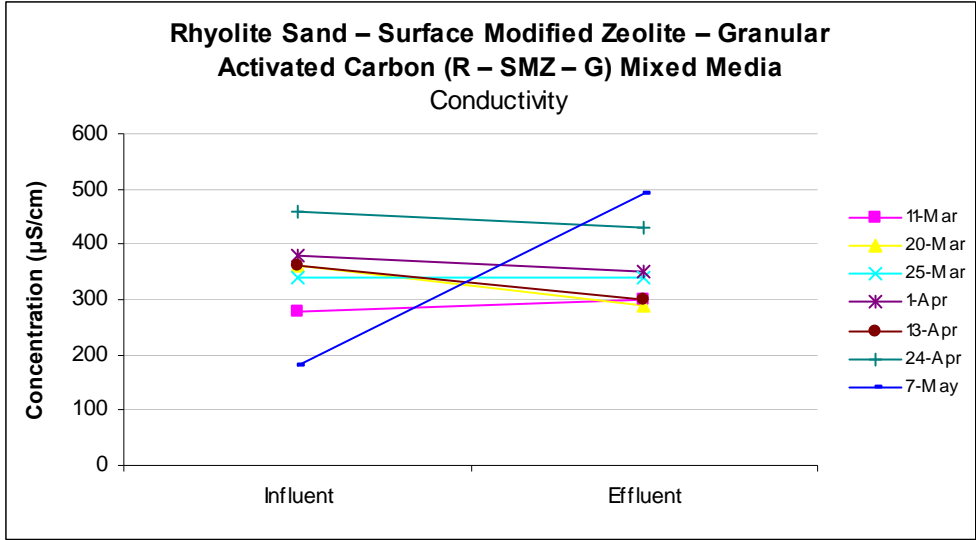
	df	SS	MS	F	Significance F
Regression	1.000	3107.789	3107.789	0.497	0.512
Residual	5.000	31235.068	6247.014		
Total	6.000	34342.857			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	444.493	127.395	3.489	0.017	117.012	771.973	117.012	771.973
X Variable 1	-0.259	0.367	-0.705	0.512	-1.204	0.685	-1.204	0.685

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	371.917	-71.917
2	351.181	-61.181
3	356.365	-16.365
4	345.997	4.003
5	351.181	-51.181
6	325.261	104.739
7	398.096	91.904





# ORP

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.642
R Square	0.413
Adjusted R Square	0.295
Standard Error	27.138
Observations	7.000

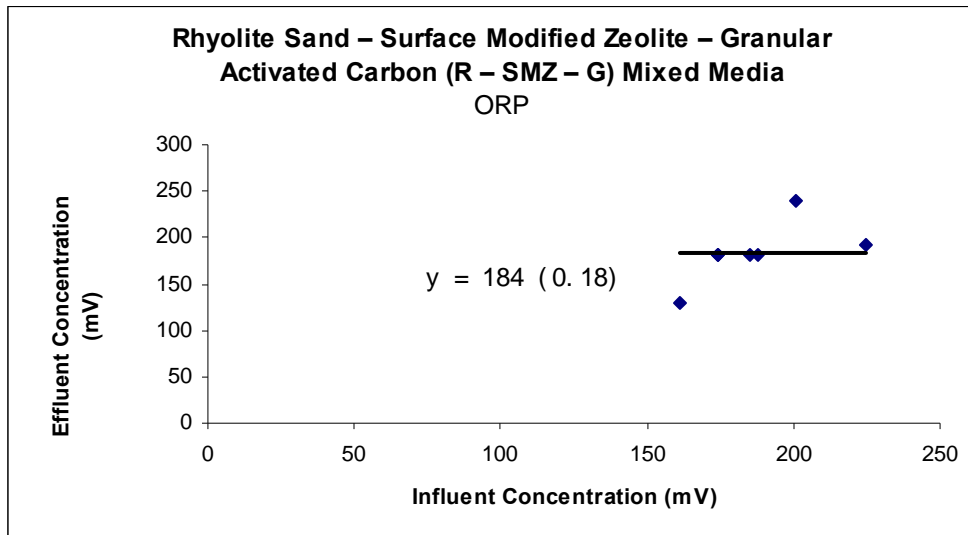
## ANOVA

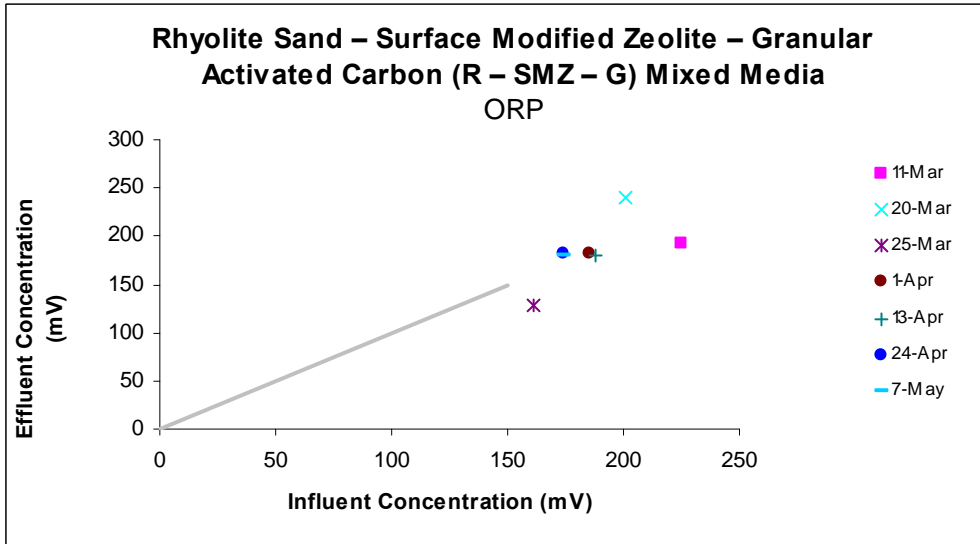
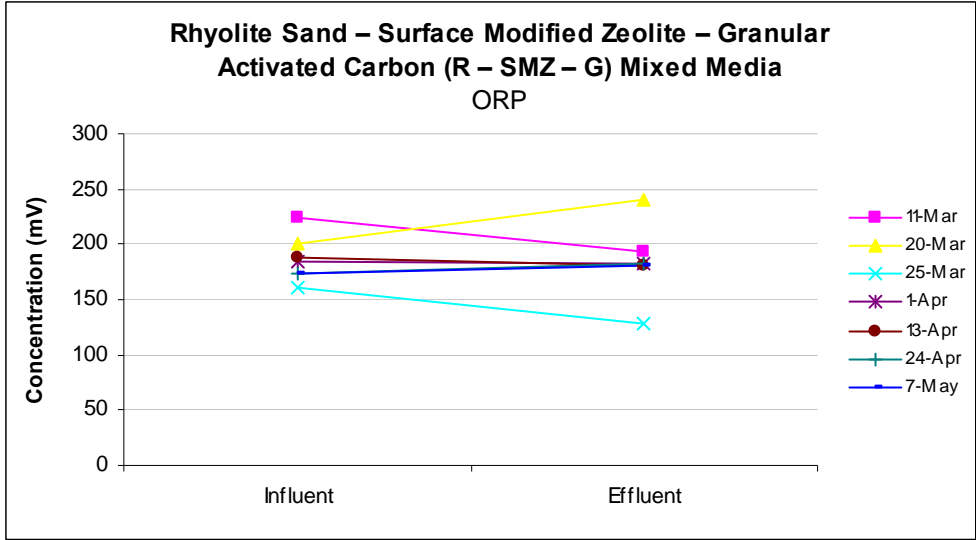
	df	SS	MS	F	Significance F
Regression	1.000	2585.654	2585.654	3.511	0.120
Residual	5.000	3882.346	736.469		
Total	6.000	6268.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-0.267	98.876	-0.003	0.998	-254.435	253.901	-254.435	253.901
X Variable 1	0.986	0.526	1.874	0.120	-0.367	2.339	-0.367	2.339

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	221.614	-28.614
2	197.947	42.053
3	158.501	-29.501
4	182.169	-0.169
5	185.127	-4.127
6	171.321	10.679
7	171.321	9.679







# Color

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.458
R Square	0.210
Adjusted R Square	0.052
Standard Error	29.382
Observations	7.000

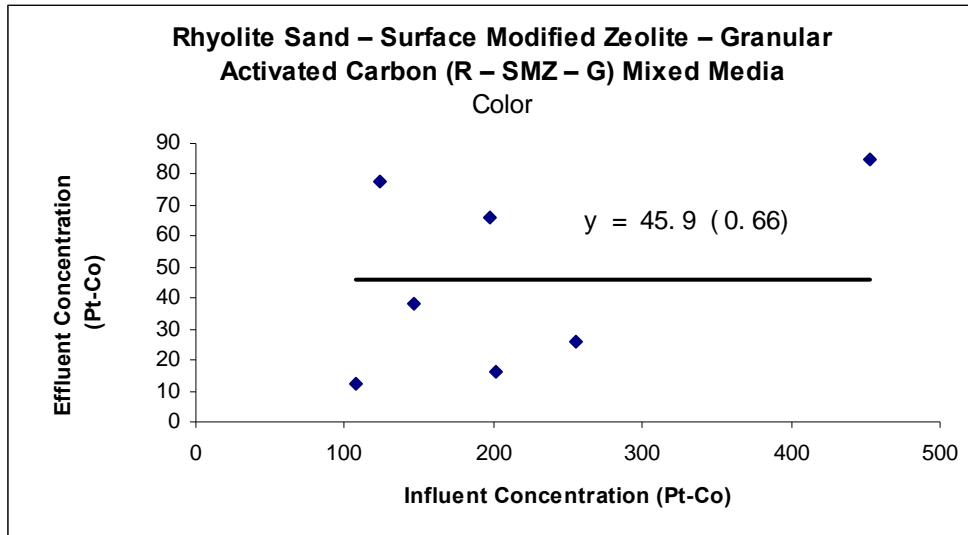
## ANOVA

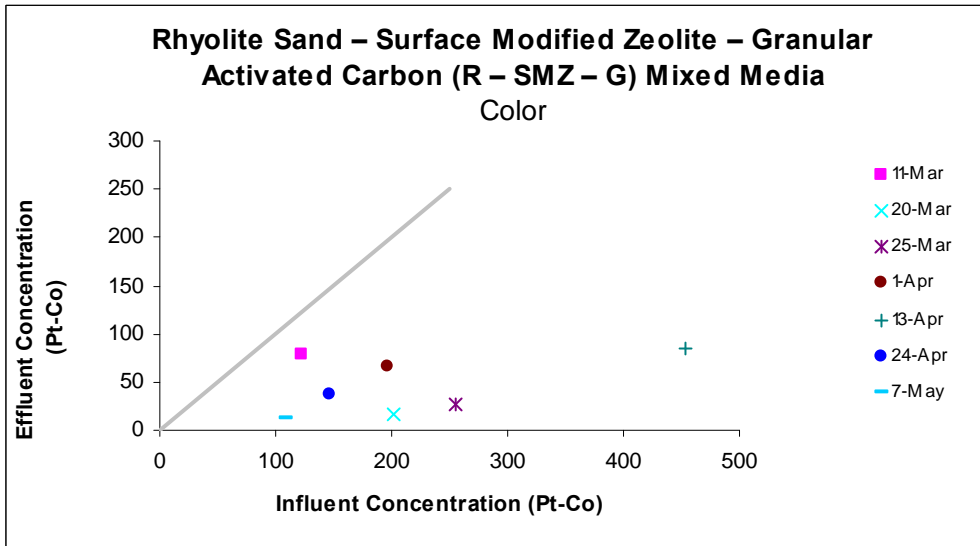
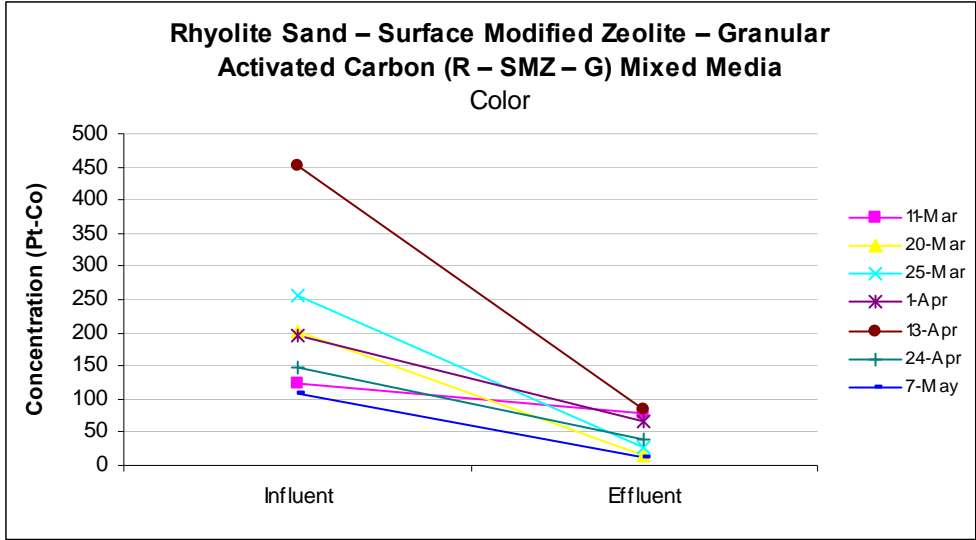
	df	SS	MS	F	Significance F
Regression	1.000	1148.391	1148.391	1.330	0.301
Residual	5.000	4316.467	863.293		
Total	6.000	5464.857			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	20.956	24.279	0.863	0.428	-41.455	83.367	-41.455	83.367
X Variable 1	0.117	0.102	1.153	0.301	-0.144	0.379	-0.144	0.379

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	35.403	42.597
2	44.565	-28.565
3	50.908	-24.908
4	44.095	21.905
5	74.165	10.835
6	38.222	-0.222
7	33.641	-21.641





# Fluoride

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.605
R Square	0.365
Adjusted R Square	0.239
Standard Error	0.490
Observations	7.000

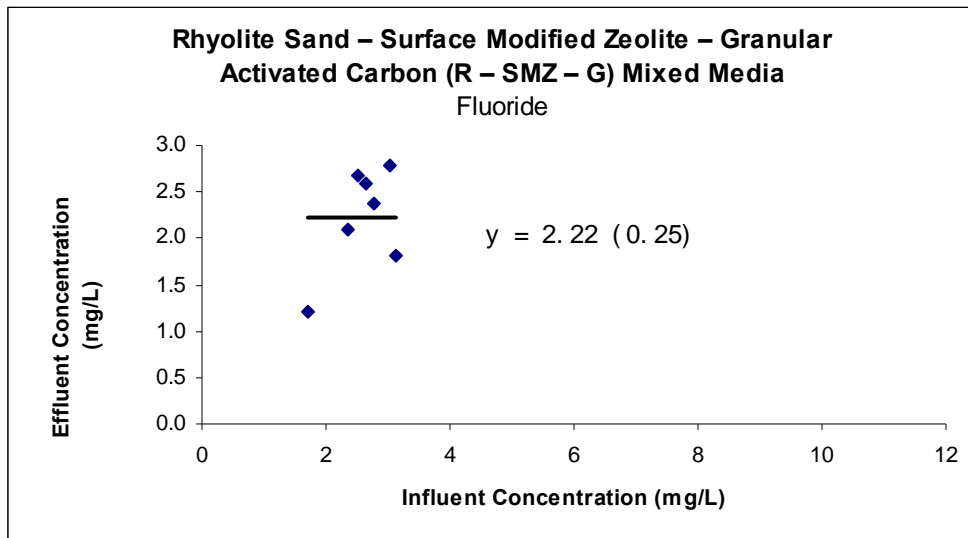
## ANOVA

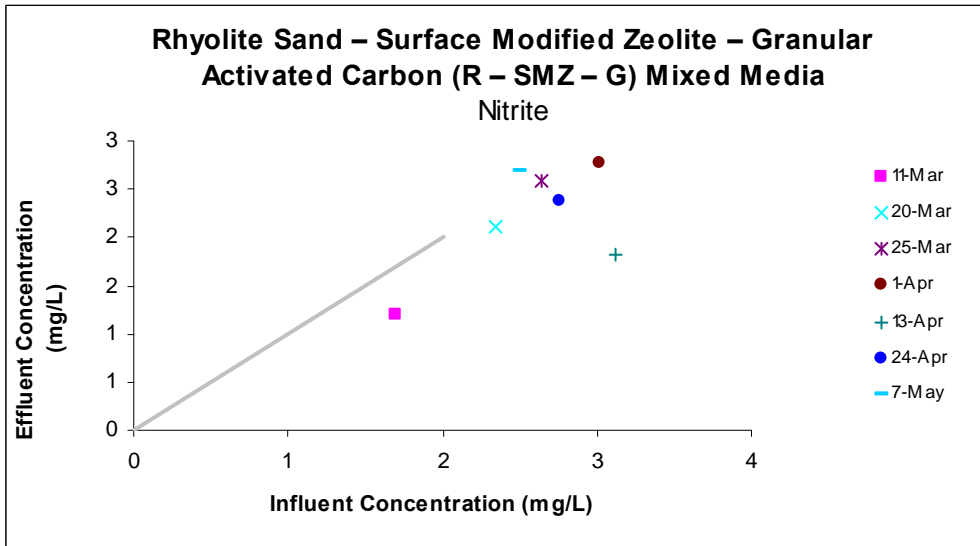
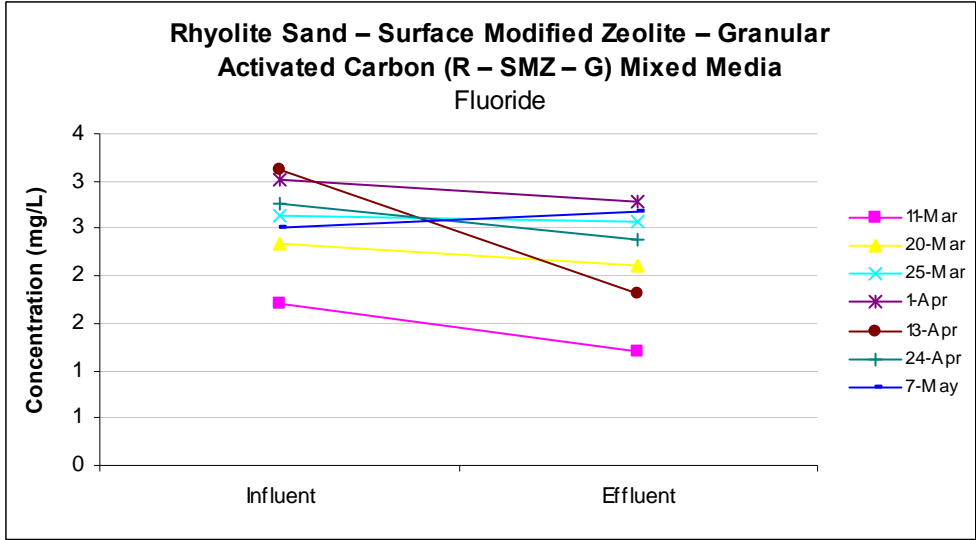
	df	SS	MS	F	Significance F
Regression	1.000	0.693	0.693	2.880	0.150
Residual	5.000	1.203	0.241		
Total	6.000	1.896			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.376	1.102	0.342	0.747	-2.456	3.209	-2.456	3.209
X Variable 1	0.714	0.421	1.697	0.150	-0.367	1.795	-0.367	1.795

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.590	-0.390
2	2.047	0.053
3	2.261	0.319
4	2.532	0.248
5	2.603	-0.783
6	2.346	0.034
7	2.161	0.519





# Sulfate

## SUMMARY OUTPUT

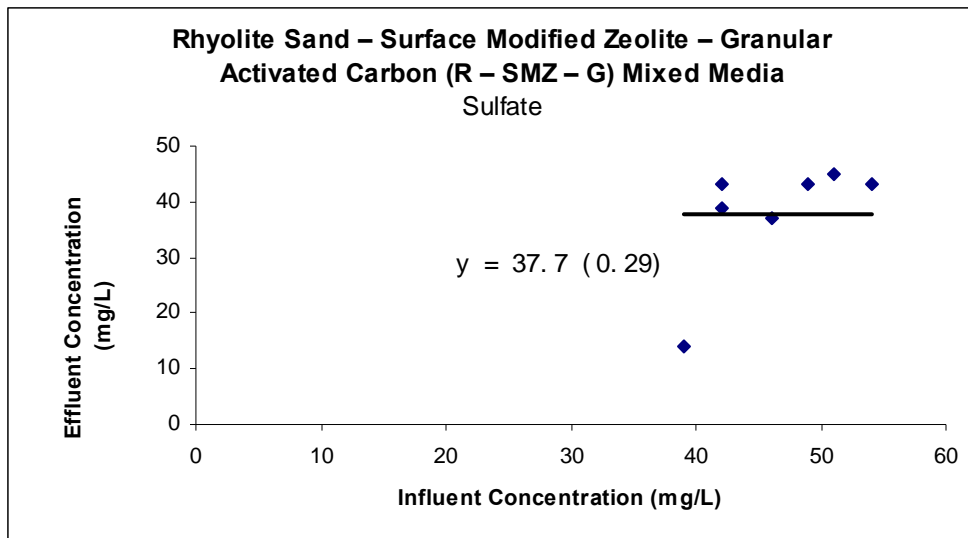
Regression Statistics	
Multiple R	0.661
R Square	0.438
Adjusted R Square	0.325
Standard Error	8.883
Observations	7.000

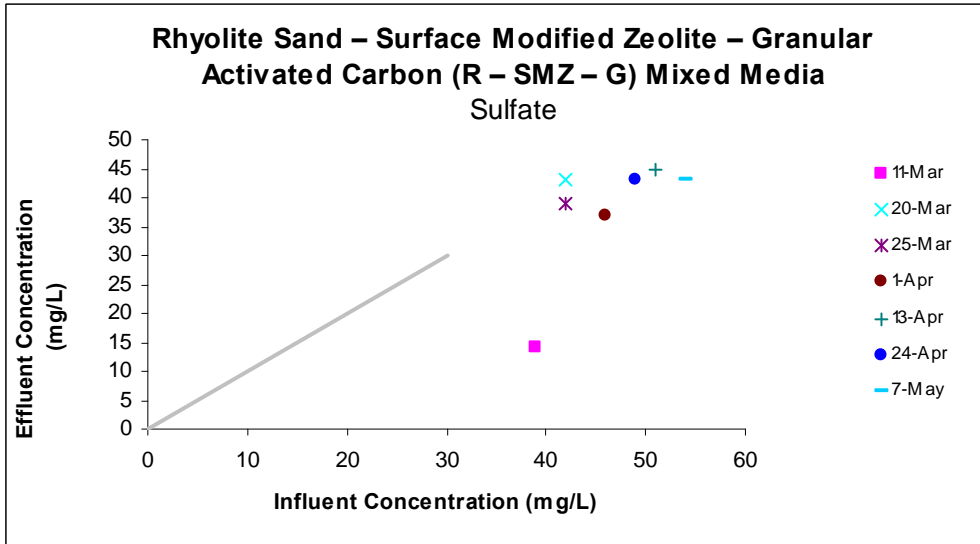
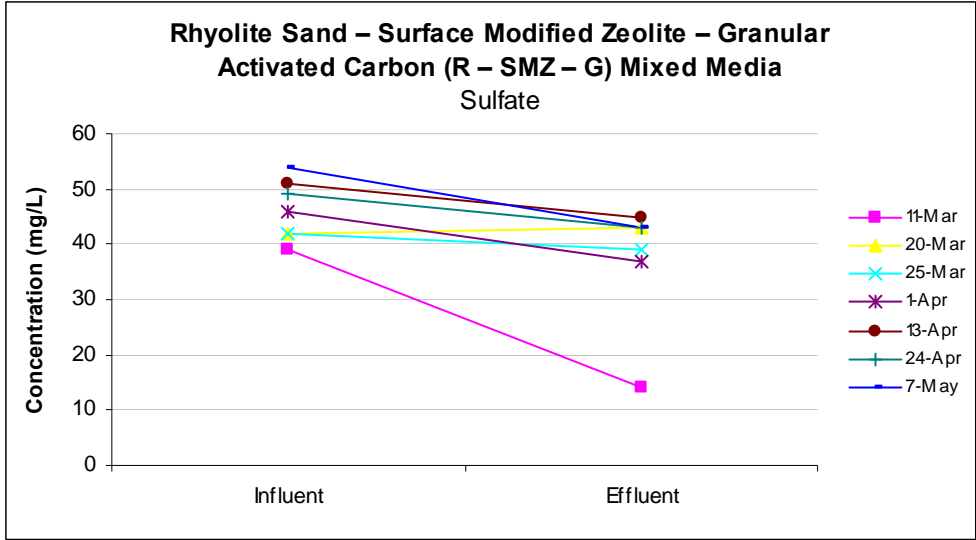
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	306.892	306.892	3.889	0.106
Residual	5.000	394.537	78.907		
Total	6.000	701.429			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-22.728	30.832	-0.737	0.494	-101.984	56.528	-101.984	56.528
X Variable 1	1.310	0.664	1.972	0.106	-0.398	3.017	-0.398	3.017

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	28.358	-14.358
2	32.288	10.712
3	32.288	6.712
4	37.527	-0.527
5	44.077	0.923
6	41.457	1.543
7	48.006	-5.006





# Phosphate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.276
R Square	0.076
Adjusted R Square	-0.109
Standard Error	0.957
Observations	7.000

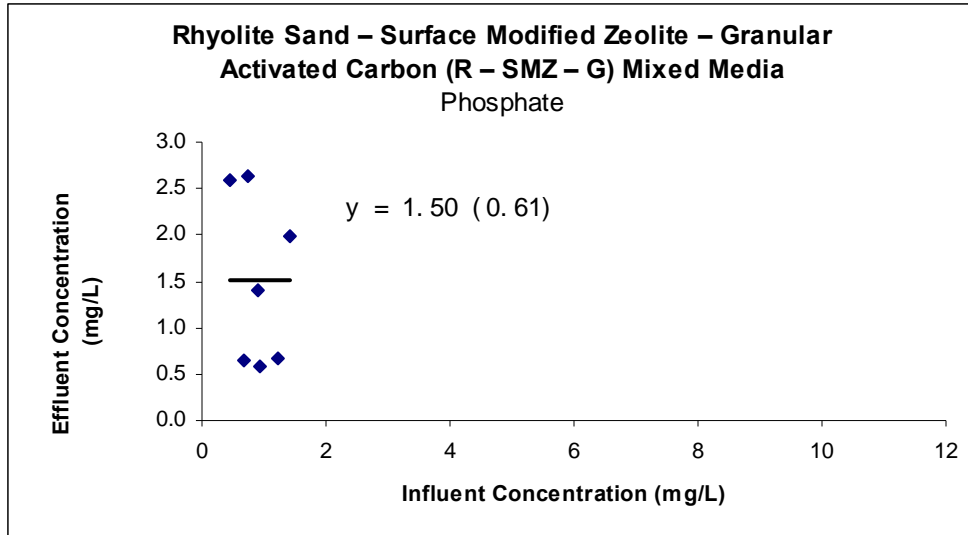
## ANOVA

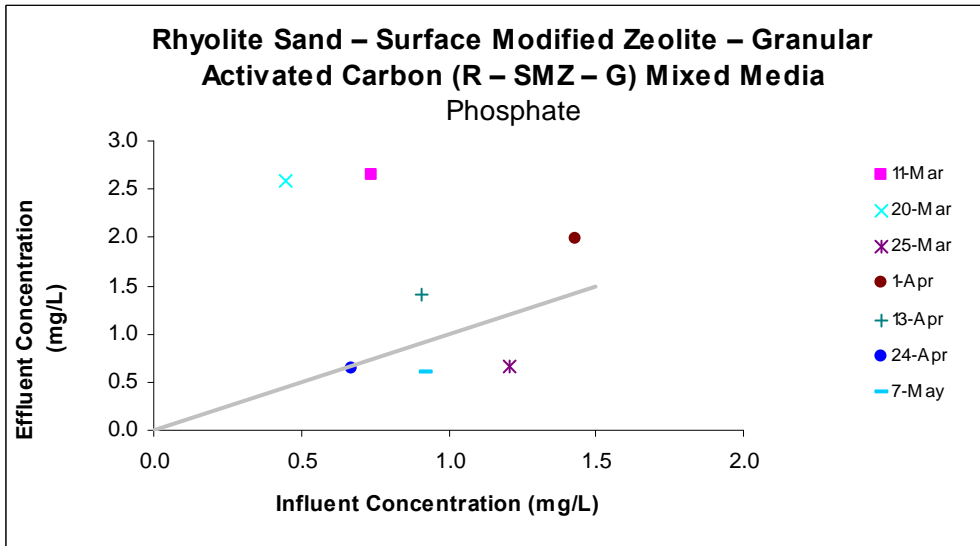
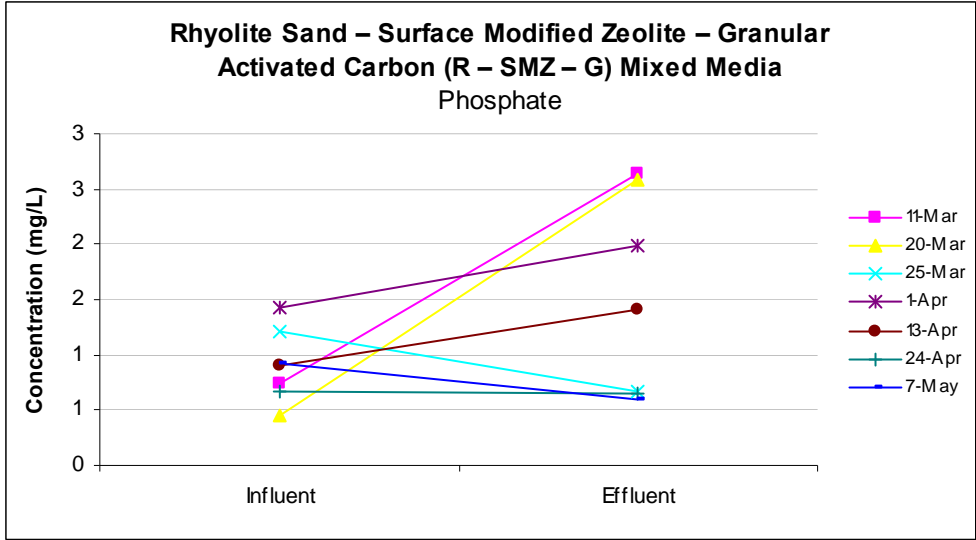
	df	SS	MS	F	Significance F
Regression	1.000	0.377	0.377	0.411	0.550
Residual	5.000	4.584	0.917		
Total	6.000	4.961			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	2.185	1.127	1.940	0.110	-0.711	5.082	-0.711	5.082
X Variable 1	-0.756	1.180	-0.641	0.550	-3.790	2.277	-3.790	2.277

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.626	1.014
2	1.845	0.735
3	1.270	-0.610
4	1.104	0.876
5	1.497	-0.087
6	1.679	-1.029
7	1.490	-0.900







# TN

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.539
R Square	0.291
Adjusted R Square	0.149
Standard Error	2.325
Observations	7.000

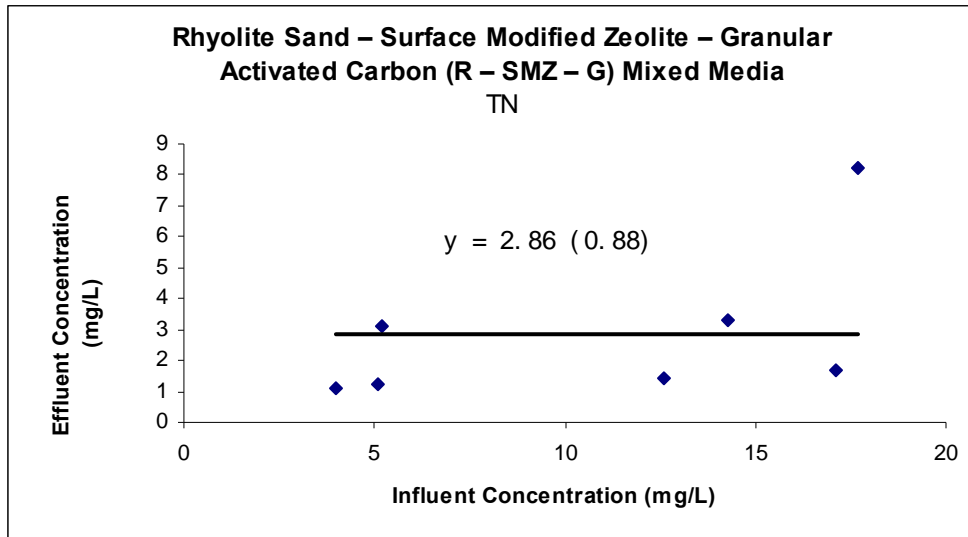
## ANOVA

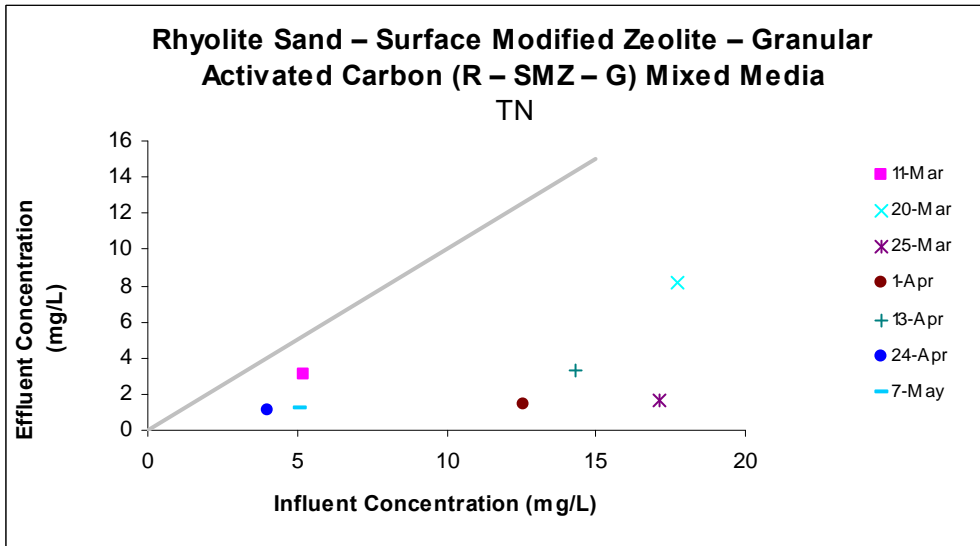
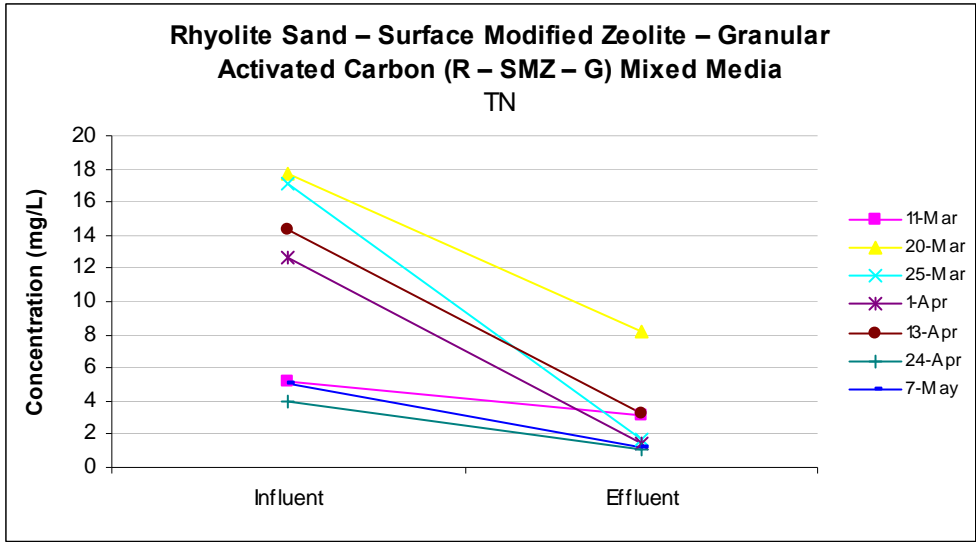
	df	SS	MS	F	Significance F
Regression	1.000	11.068	11.068	2.047	0.212
Residual	5.000	27.029	5.406		
Total	6.000	38.097			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.381	1.941	0.197	0.852	-4.607	5.370	-4.607	5.370
X Variable 1	0.228	0.159	1.431	0.212	-0.182	0.638	-0.182	0.638

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.567	1.533
2	4.417	3.783
3	4.281	-2.581
4	3.255	-1.855
5	3.642	-0.342
6	1.294	-0.194
7	1.544	-0.344





# UV 254

## SUMMARY OUTPUT

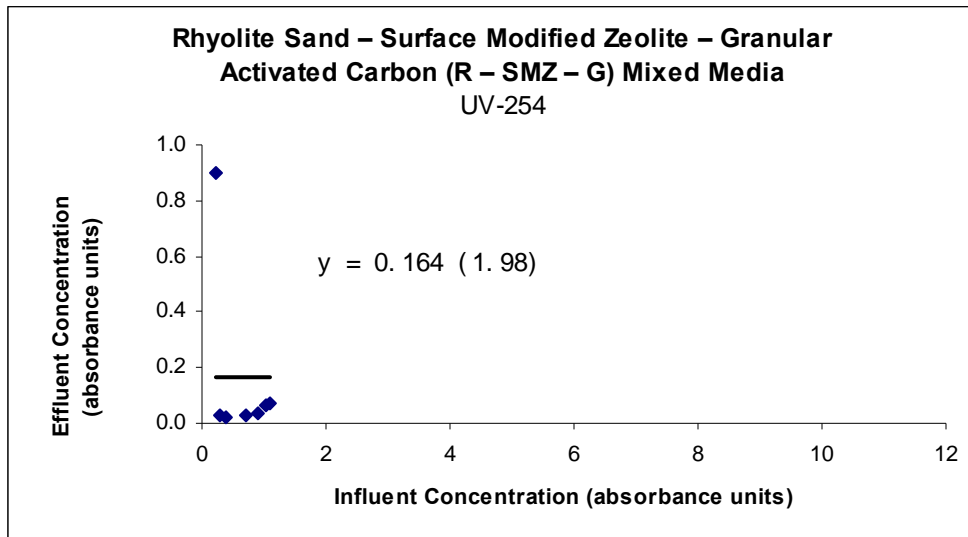
Regression Statistics	
Multiple R	0.489
R Square	0.239
Adjusted R Square	0.086
Standard Error	0.311
Observations	7.000

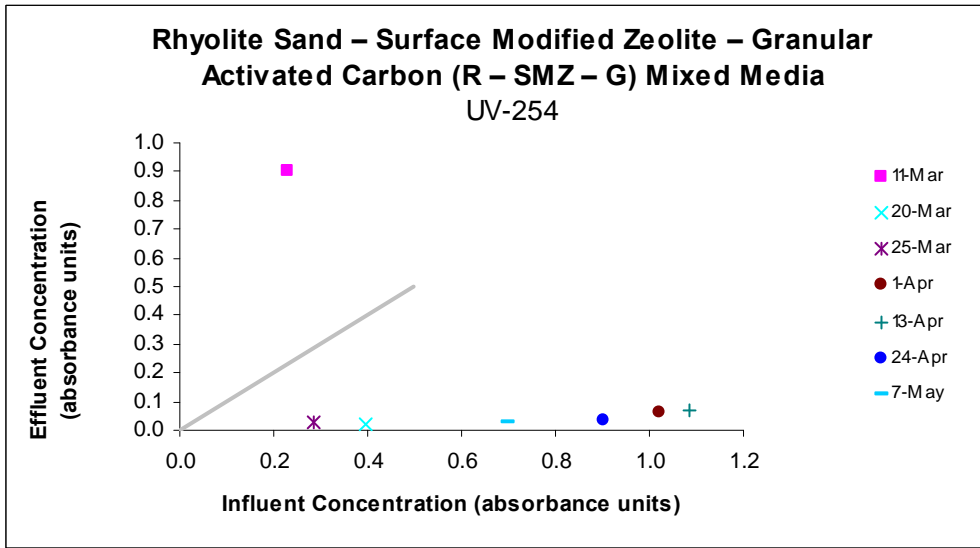
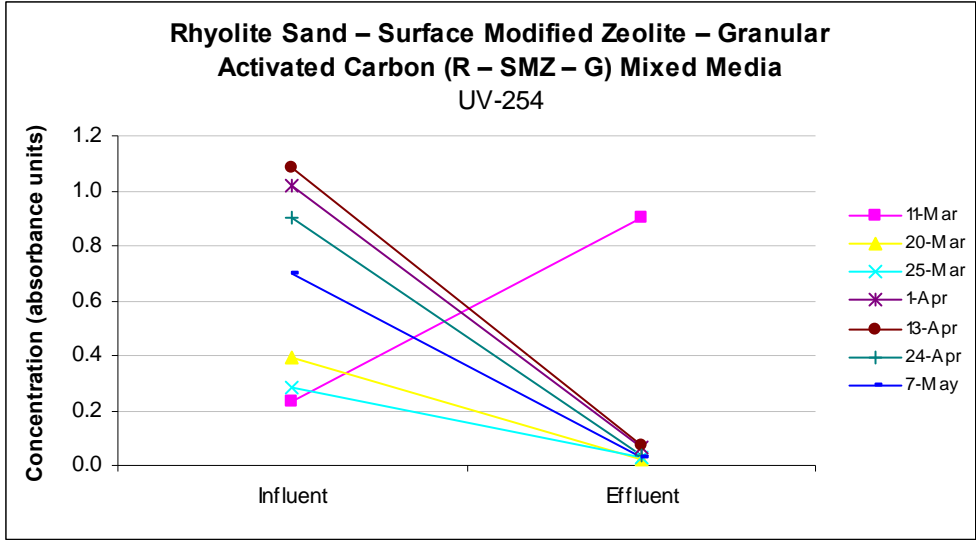
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.151	0.151	1.567	0.266
Residual	5.000	0.483	0.097		
Total	6.000	0.634			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.457	0.262	1.745	0.141	-0.216	1.130	-0.216	1.130
X Variable 1	-0.444	0.355	-1.252	0.266	-1.357	0.468	-1.357	0.468

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.355	0.545
2	0.281	-0.257
3	0.330	-0.302
4	0.004	0.060
5	-0.025	0.096
6	0.055	-0.021
7	0.148	-0.121





# Chloride

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.036
R Square	0.001
Adjusted R Square	-0.198
Standard Error	5.831
Observations	7.000

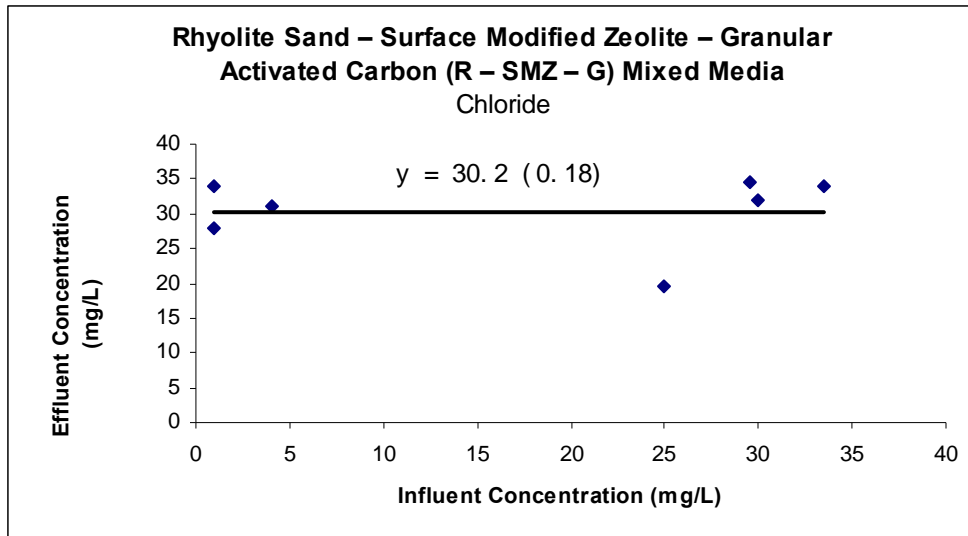
## ANOVA

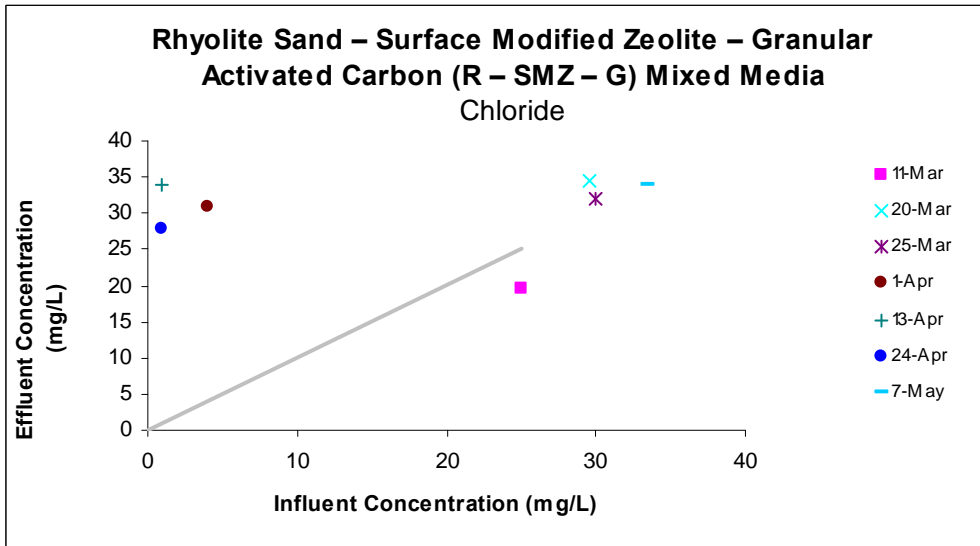
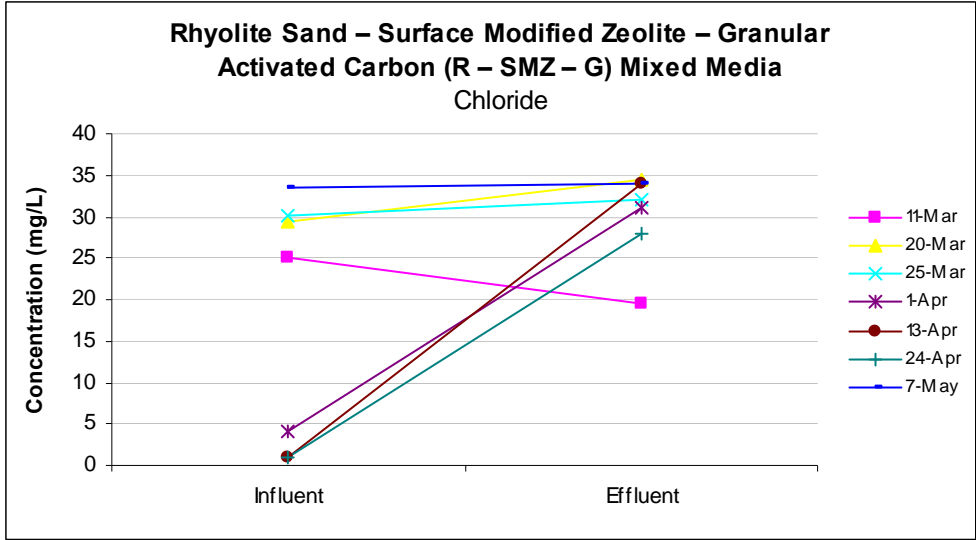
	df	SS	MS	F	Significance F
Regression	1.000	0.219	0.219	0.006	0.939
Residual	5.000	169.996	33.999		
Total	6.000	170.214			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	30.202	3.581	8.433	0.000	20.996	39.408	20.996	39.408
X Variable 1	0.013	0.159	0.080	0.939	-0.397	0.422	-0.397	0.422

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	30.522	-11.022
2	30.579	3.921
3	30.586	1.414
4	30.253	0.747
5	30.215	3.785
6	30.215	-2.215
7	30.630	3.370





# Hardness

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.210
R Square	0.044
Adjusted R Square	-0.147
Standard Error	21.730
Observations	7.000

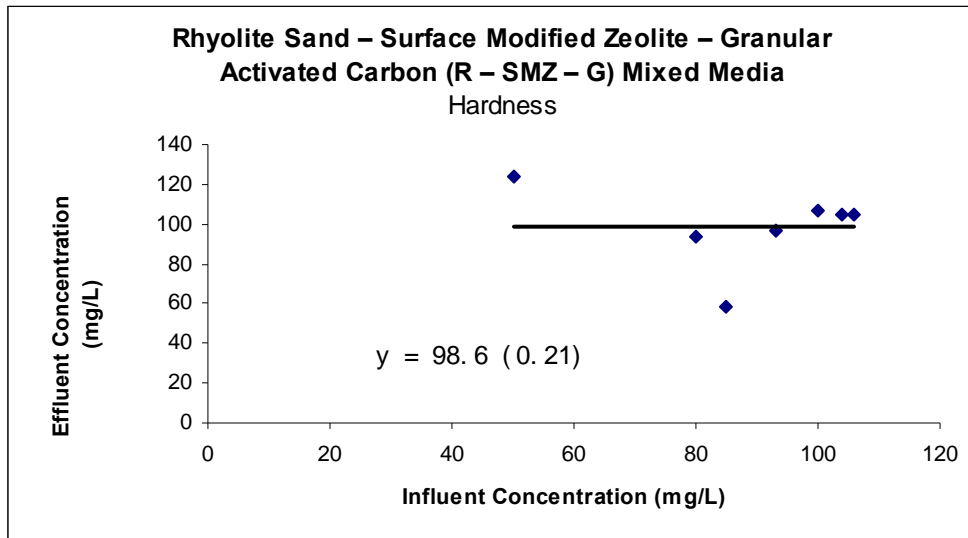
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	108.658	108.658	0.230	0.652
Residual	5.000	2361.056	472.211		
Total	6.000	2469.714			

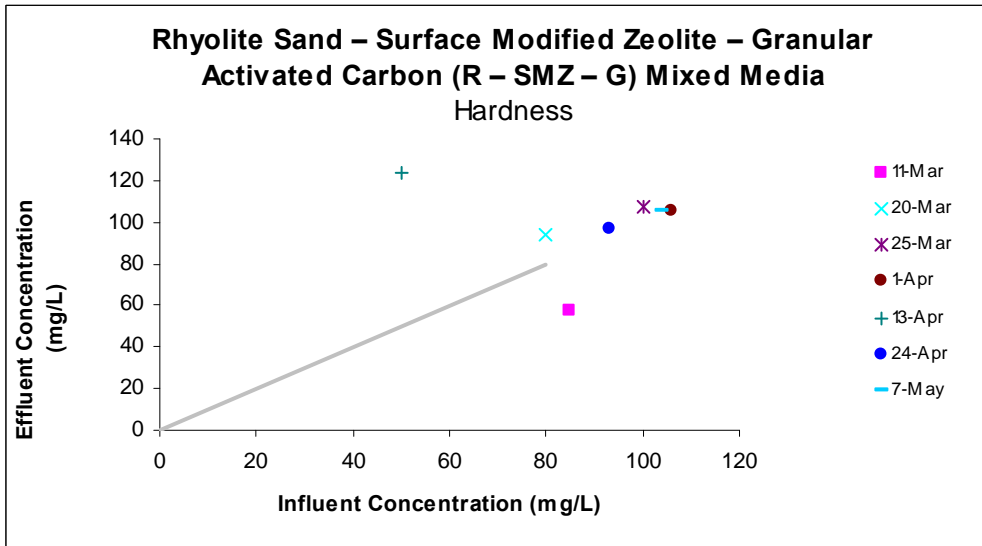
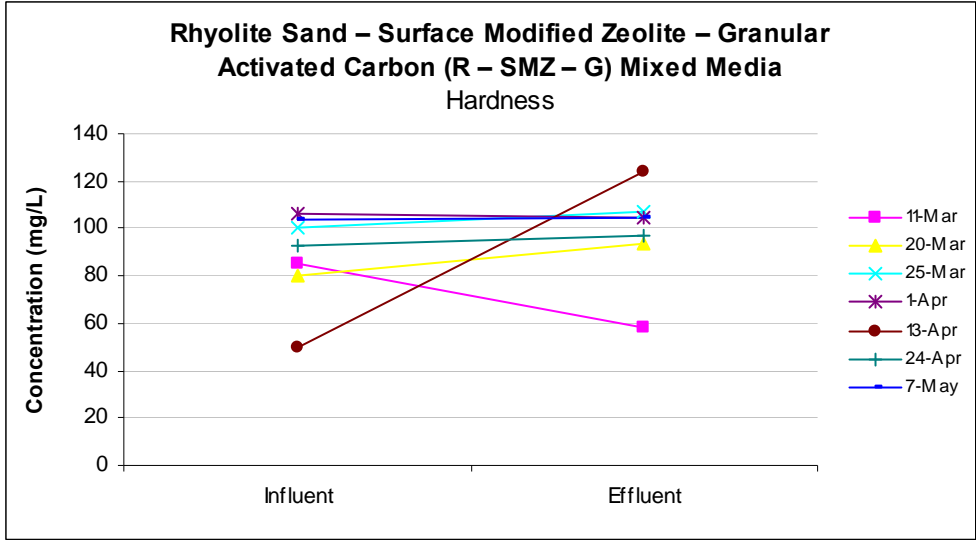
  

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	117.907	41.136	2.866	0.035	12.164	223.649	12.164	223.649
X Variable 1	-0.219	0.457	-0.480	0.652	-1.393	0.955	-1.393	0.955

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	99.291	-41.291
2	100.386	-6.386
3	96.006	10.994
4	94.692	10.308
5	106.956	17.044
6	97.539	-0.539
7	95.130	9.870







# NO2+NO3

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.406
R Square	0.165
Adjusted R Square	-0.002
Standard Error	2.558
Observations	7.000

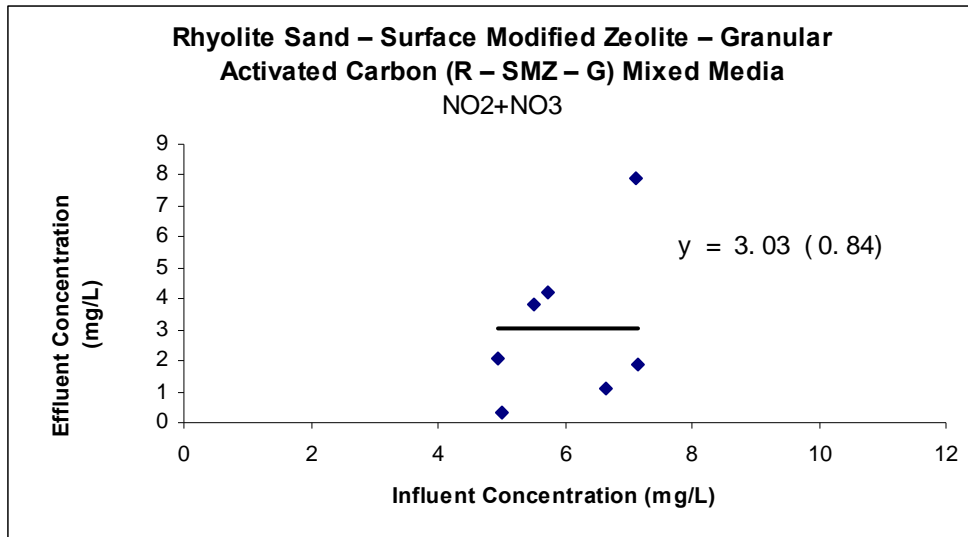
## ANOVA

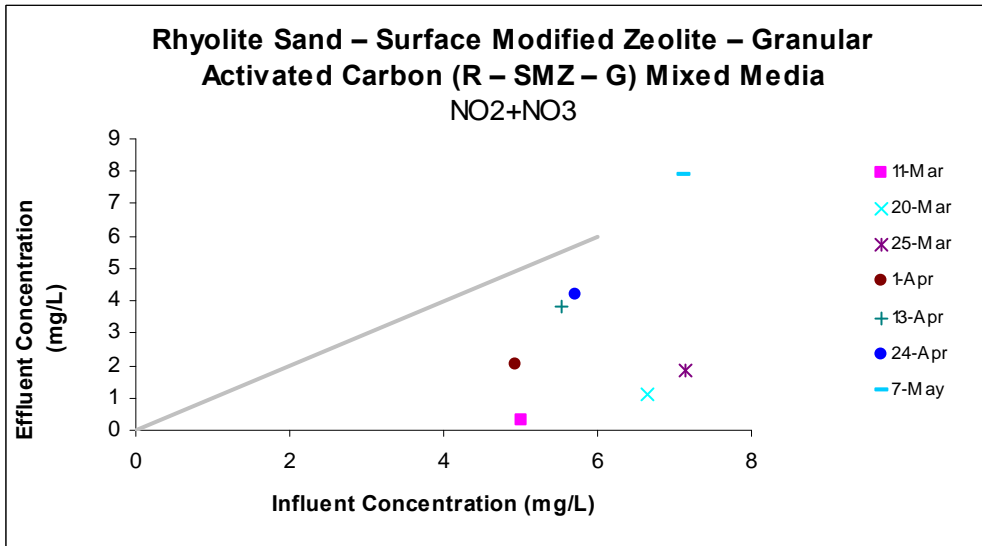
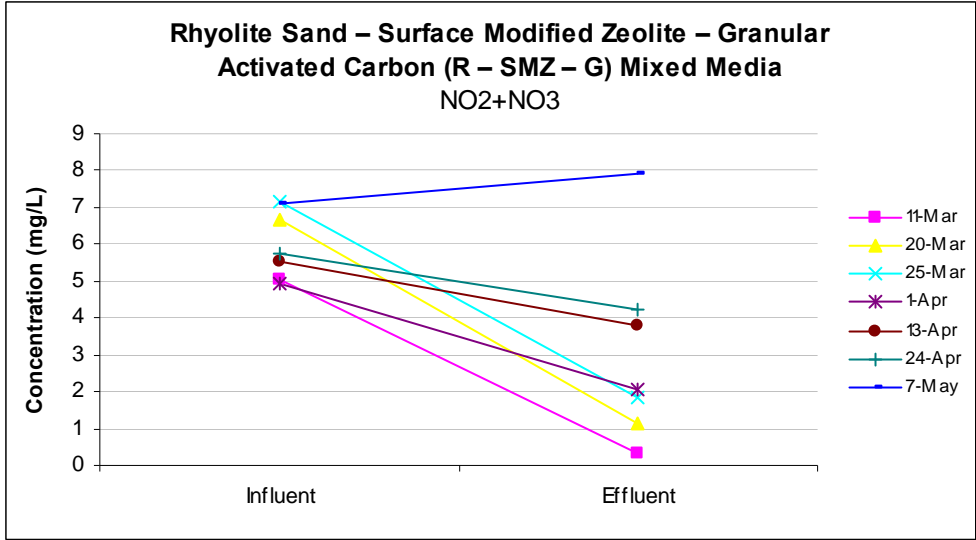
	df	SS	MS	F	Significance F
Regression	1.000	6.454	6.454	0.988	0.368
Residual	5.000	32.726	6.545		
Total	6.000	39.180			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-3.558	6.713	-0.530	0.619	-20.815	13.700	-20.815	13.700
X Variable 1	1.097	1.104	0.993	0.368	-1.742	3.936	-1.742	3.936

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.948	-1.638
2	3.731	-2.611
3	4.277	-2.412
4	1.854	0.195
5	2.504	1.313
6	2.717	1.488
7	4.245	3.665





# Rhyolite Sand – Surface Modified Zeolite – Granular Activated Carbon – Peat Moss (R – SMZ – G - P)

## Nitrite

### SUMMARY OUTPUT

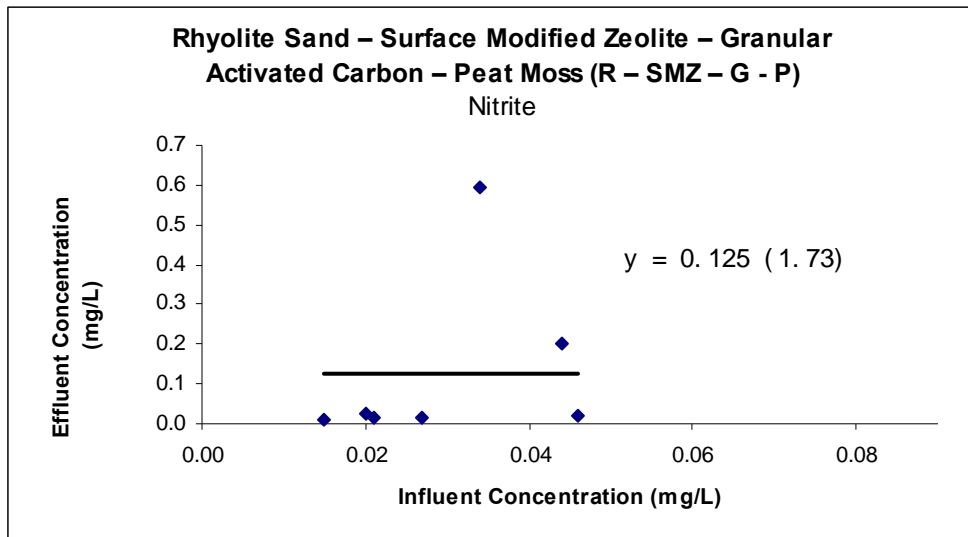
Regression Statistics	
Multiple R	0.339
R Square	0.115
Adjusted R Square	-0.062
Standard Error	0.224
Observations	7.000

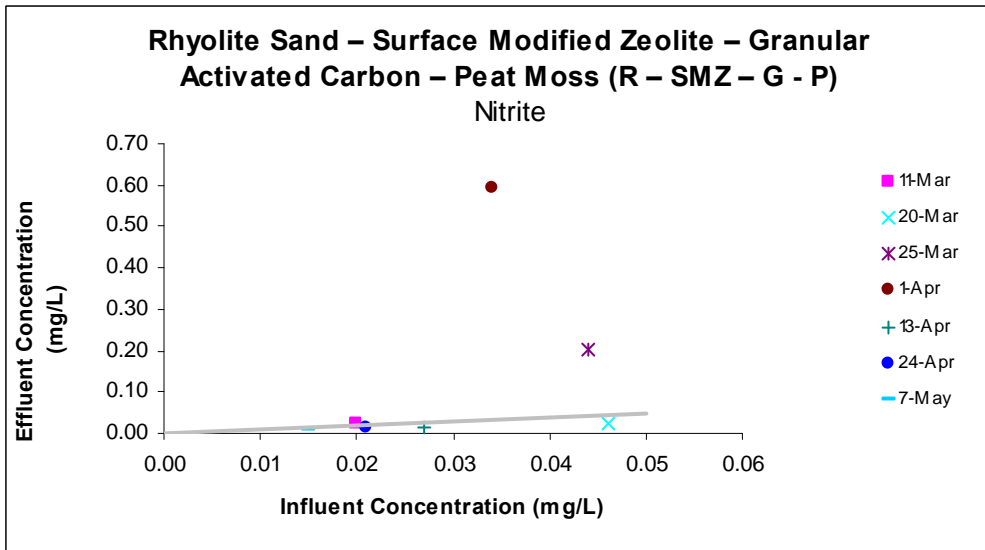
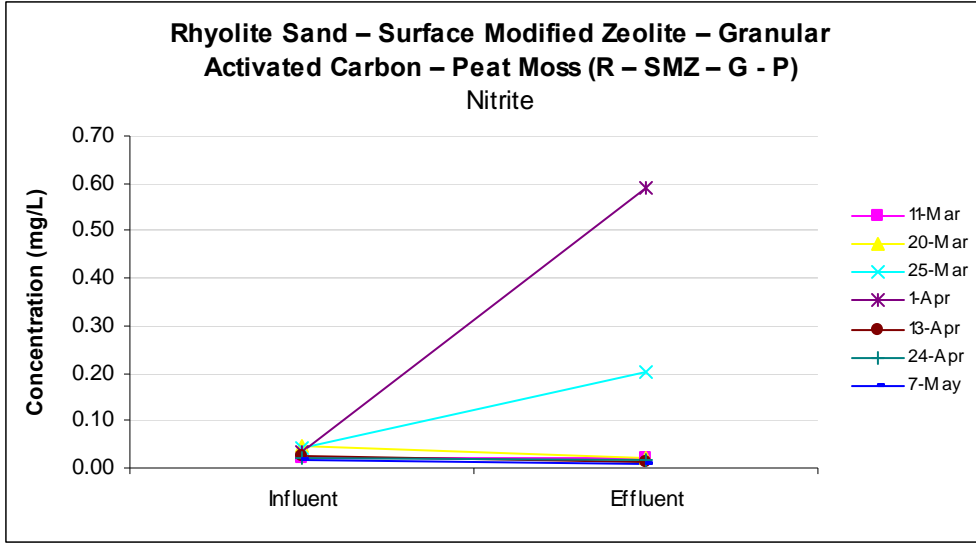
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.032	0.032	0.648	0.457
Residual	5.000	0.250	0.050		
Total	6.000	0.283			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-0.054	0.238	-0.227	0.830	-0.666	0.558	-0.666	0.558
X Variable 1	6.064	7.532	0.805	0.457	-13.297	25.426	-13.297	25.426

### RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.067	-0.044
2	0.225	-0.203
3	0.213	-0.012
4	0.152	0.440
5	0.110	-0.097
6	0.073	-0.057
7	0.037	-0.027





# Nitrate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.217
R Square	0.047
Adjusted R Square	-0.143
Standard Error	3.872
Observations	7.000

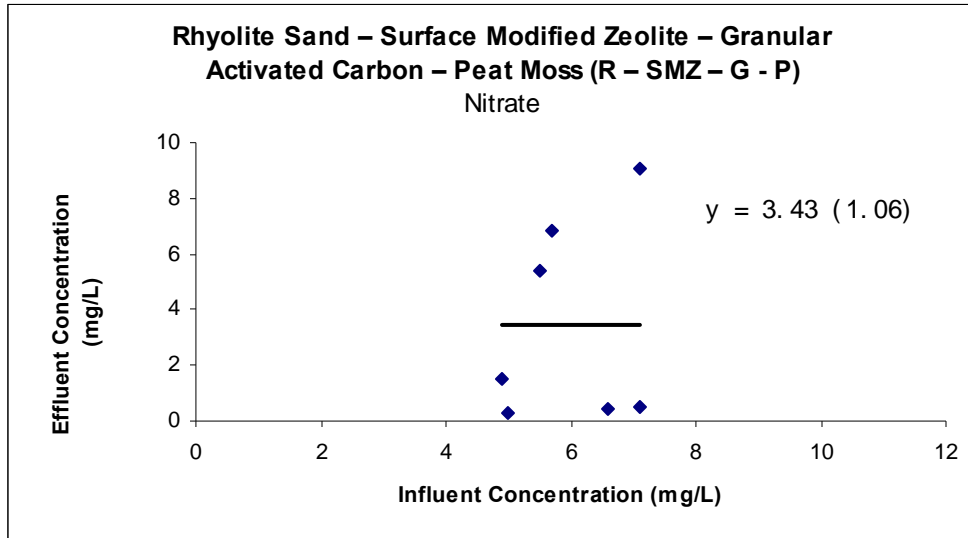
## ANOVA

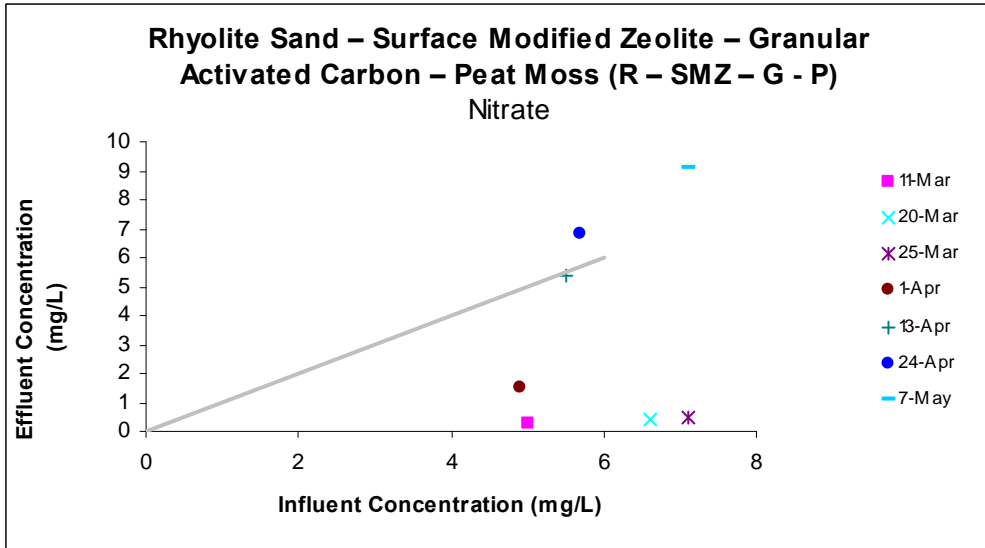
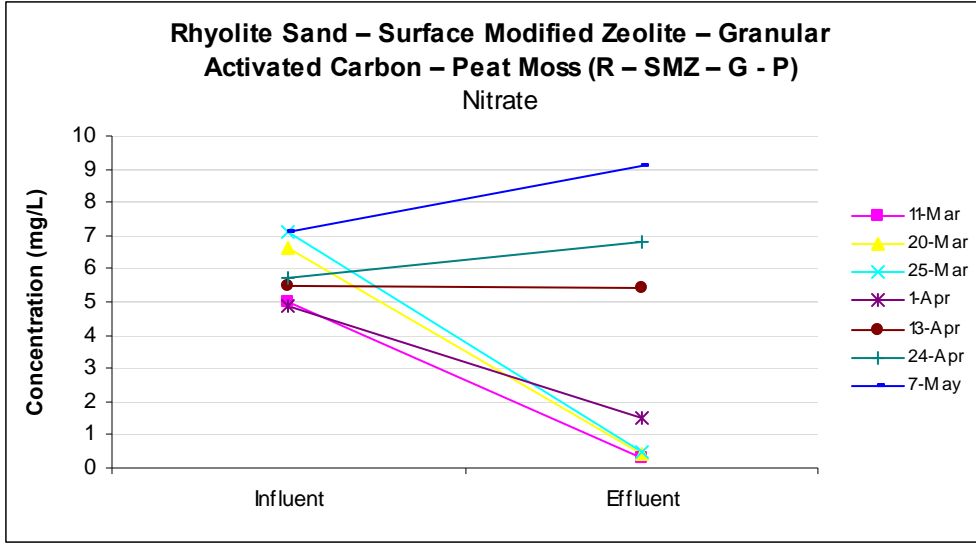
	df	SS	MS	F	Significance F
Regression	1.000	3.721	3.721	0.248	0.639
Residual	5.000	74.953	14.991		
Total	6.000	78.674			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-1.573	10.146	-0.155	0.883	-27.654	24.507	-27.654	24.507
X Variable 1	0.836	1.677	0.498	0.639	-3.476	5.147	-3.476	5.147

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	2.605	-2.305
2	3.942	-3.542
3	4.360	-3.860
4	2.521	-1.021
5	3.023	2.377
6	3.190	3.610
7	4.360	4.740





# Ammonia

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.500
R Square	0.250
Adjusted R Square	0.100
Standard Error	0.035
Observations	7.000

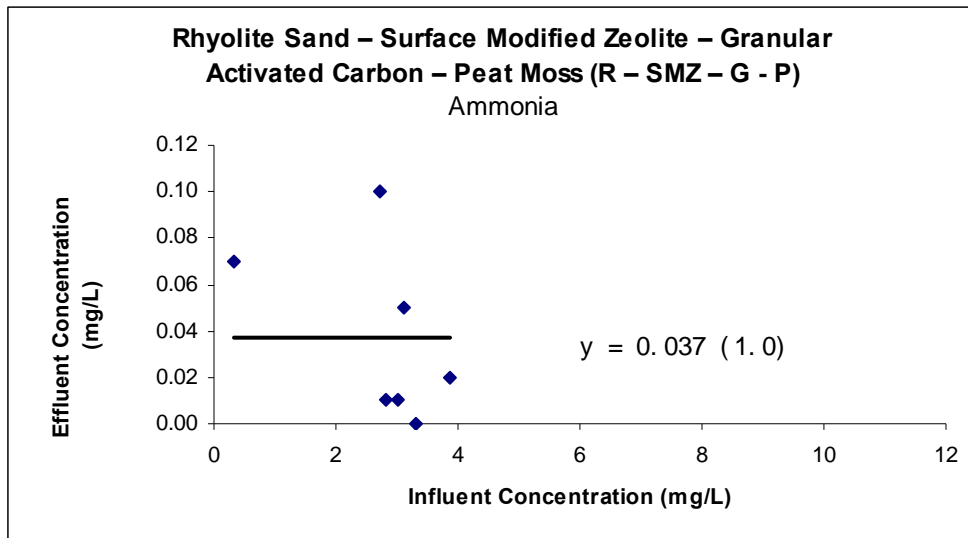
## ANOVA

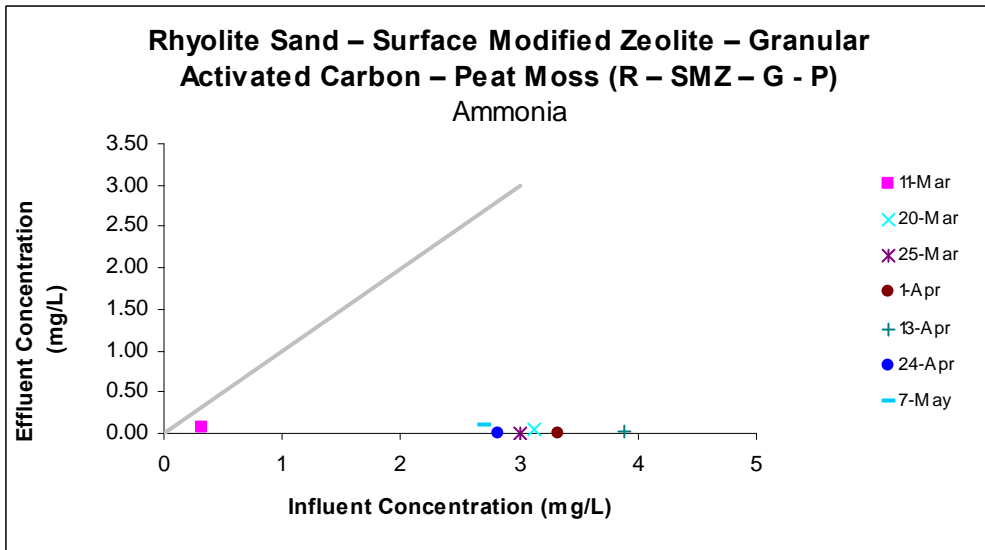
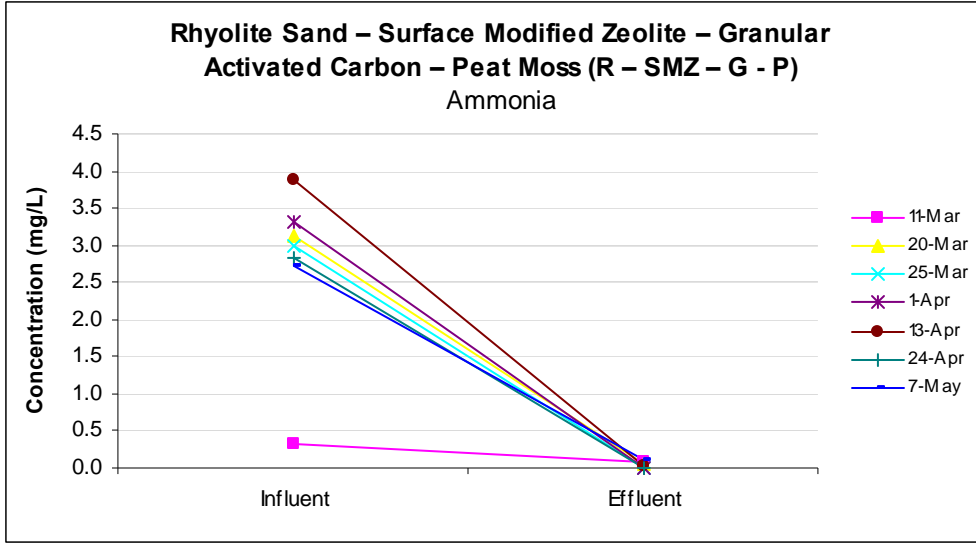
	df	SS	MS	F	Significance F
Regression	1.000	0.002	0.002	1.667	0.253
Residual	5.000	0.006	0.001		
Total	6.000	0.008			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.082	0.037	2.200	0.079	-0.014	0.178	-0.014	0.178
XVariable 1	-0.016	0.013	-1.291	0.253	-0.049	0.016	-0.049	0.016

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.077	-0.007
2	0.031	0.019
3	0.033	-0.023
4	0.028	-0.028
5	0.018	0.002
6	0.036	-0.026
7	0.038	0.062







TP

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.035
R Square	0.001
Adjusted R Square	-0.199
Standard Error	0.371
Observations	7.000

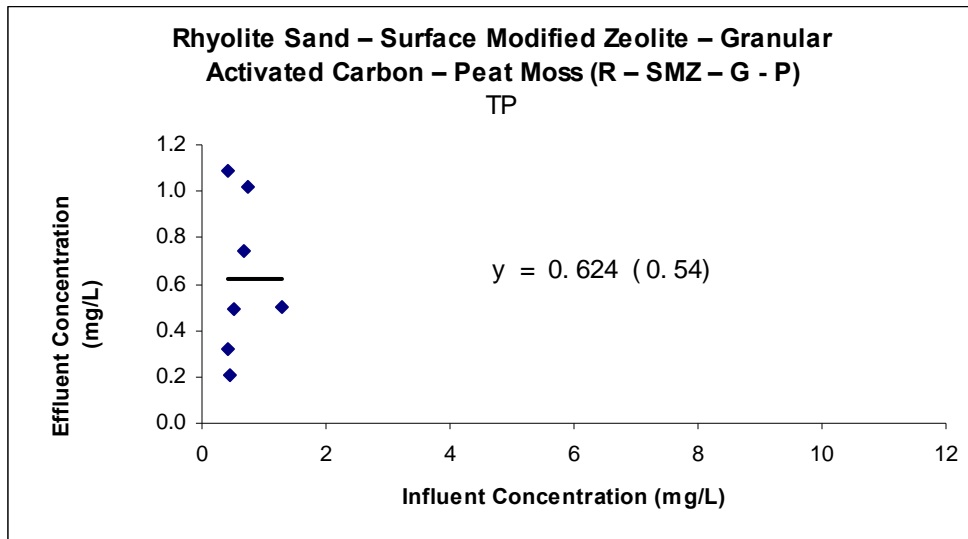
ANOVA

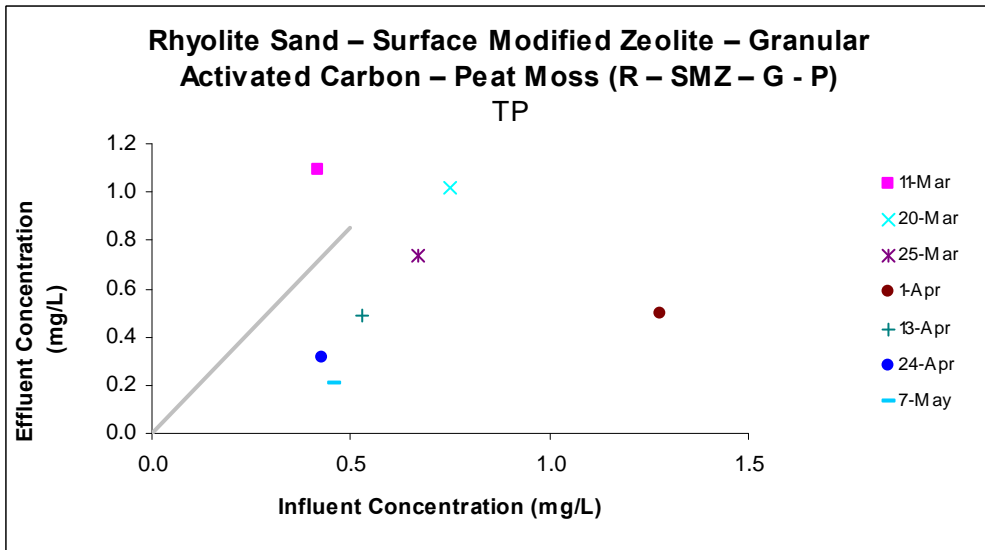
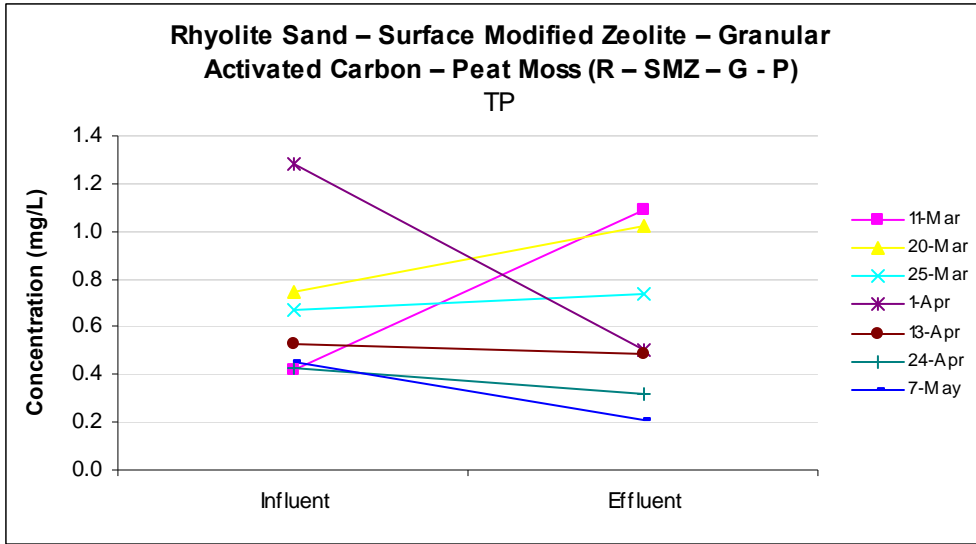
	df	SS	MS	F	Significance F
Regression	1.000	0.001	0.001	0.006	0.941
Residual	5.000	0.687	0.137		
Total	6.000	0.688			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.599	0.350	1.712	0.148	-0.300	1.497	-0.300	1.497
X Variable 1	0.039	0.495	0.078	0.941	-1.233	1.310	-1.233	1.310

RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.615	0.475
2	0.628	0.392
3	0.624	0.116
4	0.648	-0.148
5	0.619	-0.129
6	0.615	-0.299
7	0.616	-0.408





# COD

## SUMMARY OUTPUT

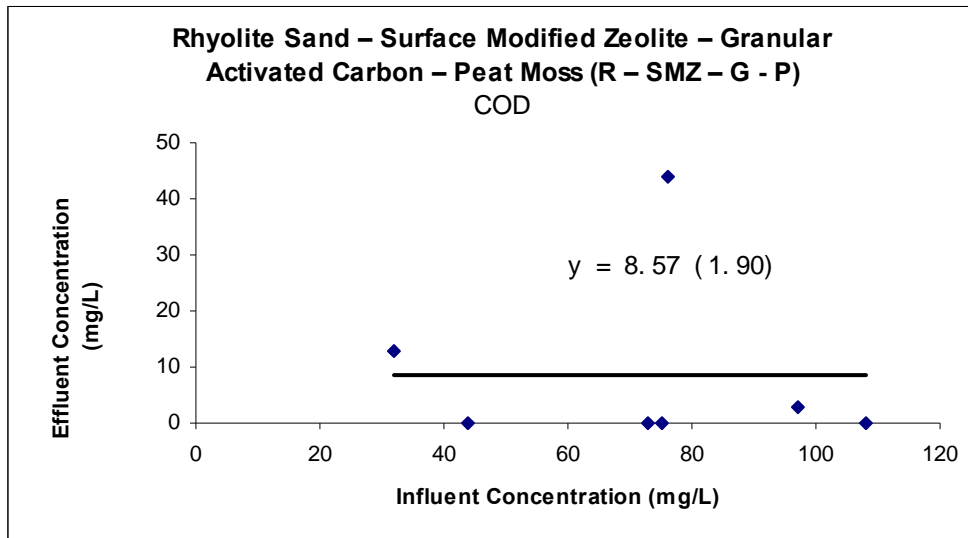
Regression Statistics	
Multiple R	0.105
R Square	0.011
Adjusted R Square	-0.187
Standard Error	17.787
Observations	7.000

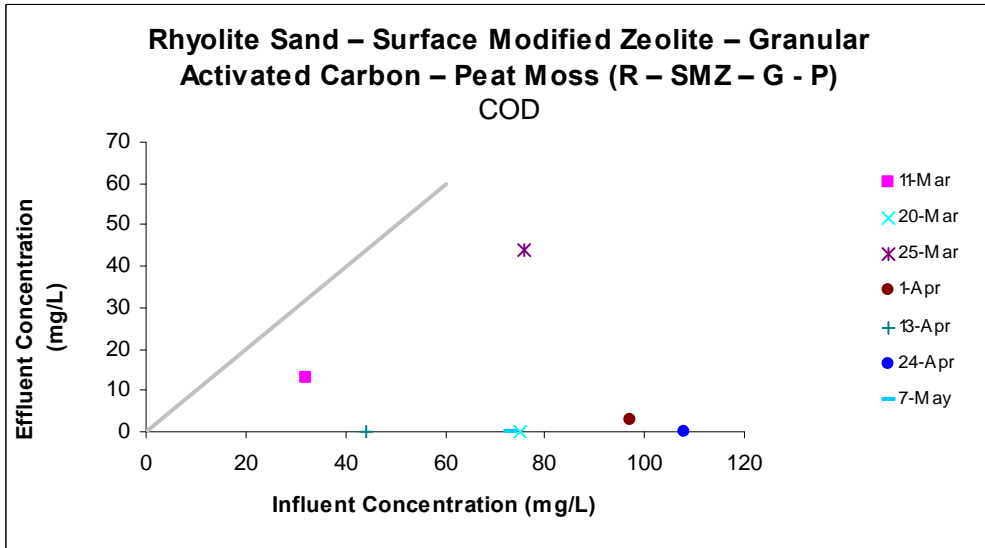
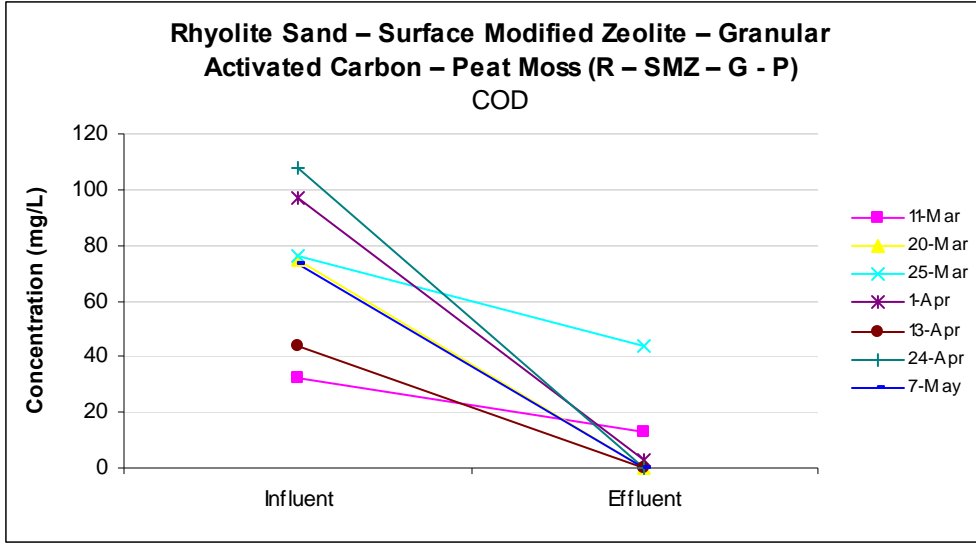
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	17.790	17.790	0.056	0.822
Residual	5.000	1581.924	316.385		
Total	6.000	1599.714			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	13.195	20.626	0.640	0.550	-39.824	66.215	-39.824	66.215
X Variable 1	-0.064	0.270	-0.237	0.822	-0.759	0.631	-0.759	0.631

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	11.144	1.856
2	8.388	-8.388
3	8.324	35.676
4	6.978	-3.978
5	10.375	-10.375
6	6.273	-6.273
7	8.518	-8.518





# pH

## SUMMARY OUTPUT

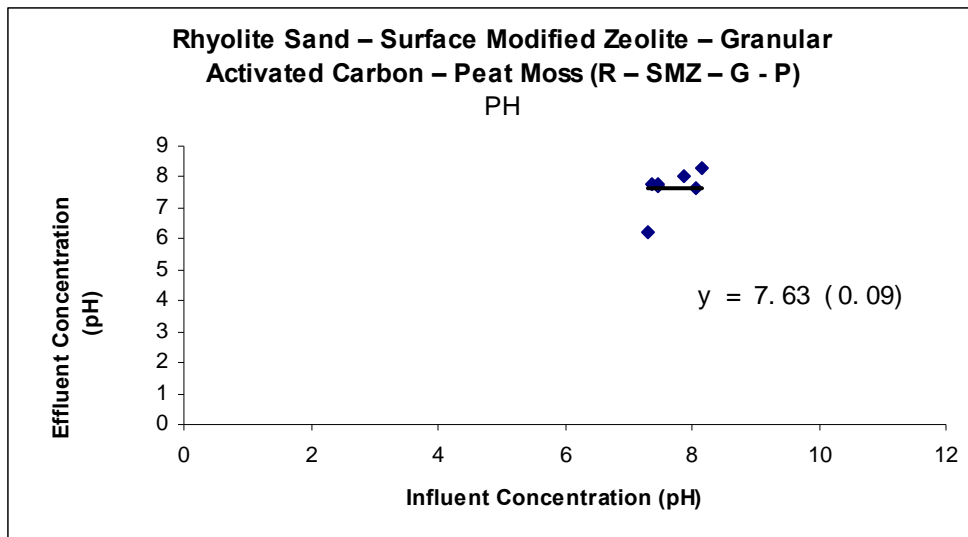
Regression Statistics	
Multiple R	0.569
R Square	0.324
Adjusted R Square	0.188
Standard Error	0.599
Observations	7.000

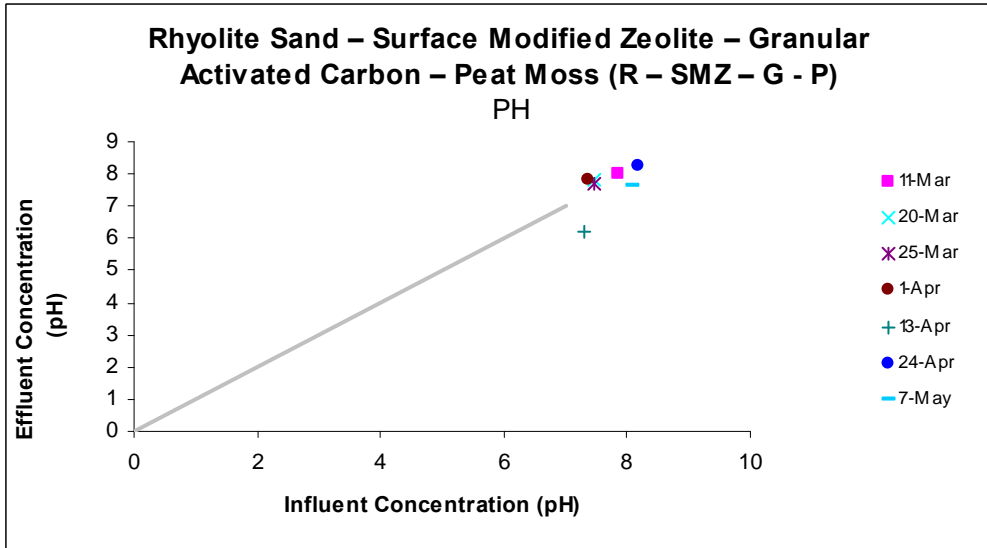
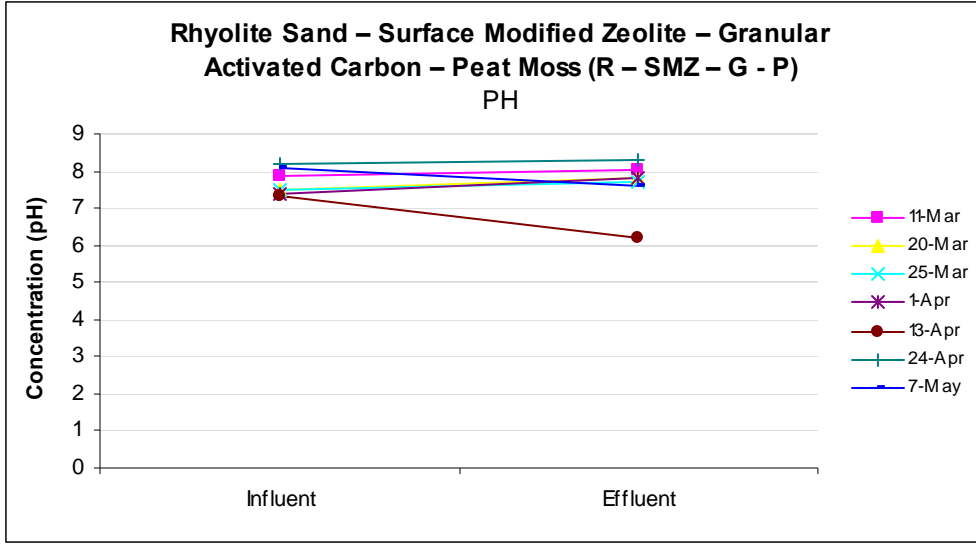
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.858	0.858	2.393	0.183
Residual	5.000	1.793	0.359		
Total	6.000	2.651			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-0.669	5.369	-0.125	0.906	-14.471	13.133	-14.471	13.133
X Variable 1	1.081	0.699	1.547	0.183	-0.715	2.877	-0.715	2.877

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	7.828	0.192
2	7.417	0.383
3	7.406	0.294
4	7.298	0.492
5	7.244	-1.034
6	8.163	0.117
7	8.055	-0.445





# Conductivity

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.099
R Square	0.010
Adjusted R Square	-0.188
Standard Error	81.571
Observations	7.000

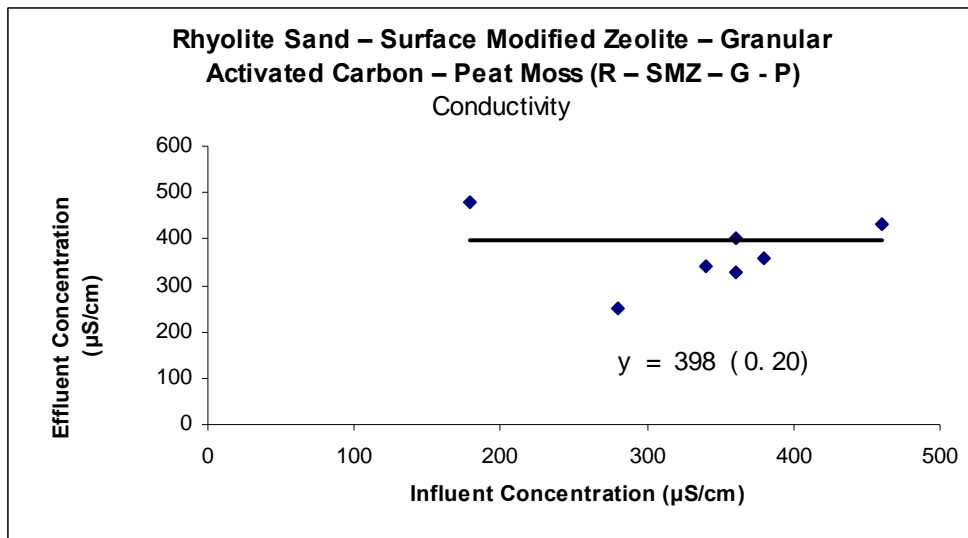
## ANOVA

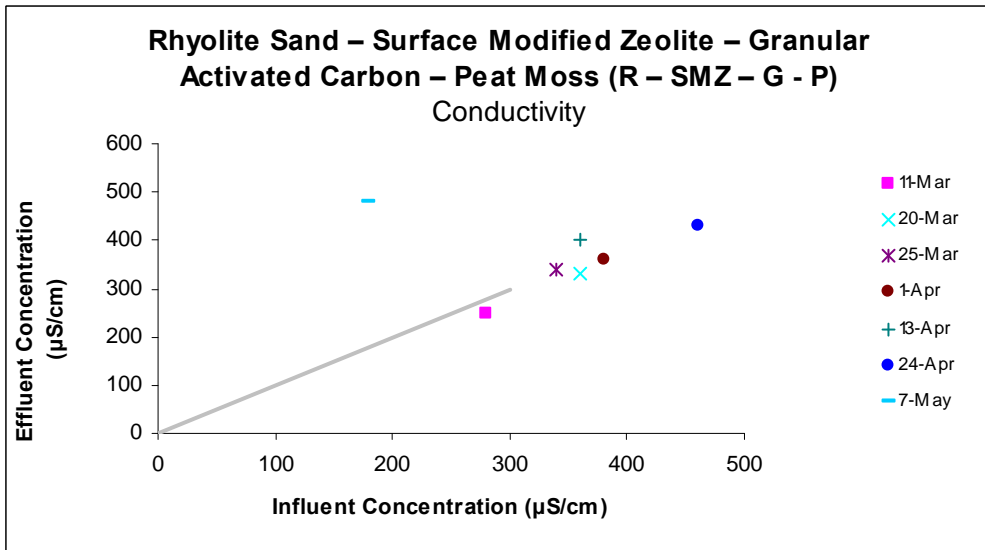
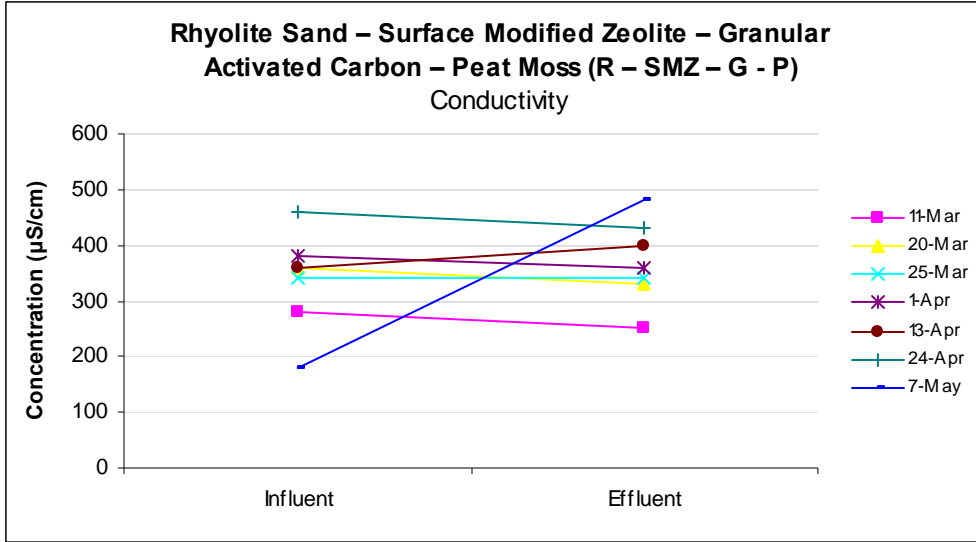
	df	SS	MS	F	Significance F
Regression	1.000	330.496	330.496	0.050	0.832
Residual	5.000	33269.504	6653.901		
Total	6.000	33600.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	398.485	131.479	3.031	0.029	60.508	736.462	60.508	736.462
X Variable 1	-0.085	0.379	-0.223	0.832	-1.059	0.890	-1.059	0.890

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	374.818	-124.818
2	368.056	-38.056
3	389.746	-29.746
4	366.365	-6.365
5	368.056	31.944
6	359.603	70.397
7	383.355	96.645







# ORP

## SUMMARY OUTPUT

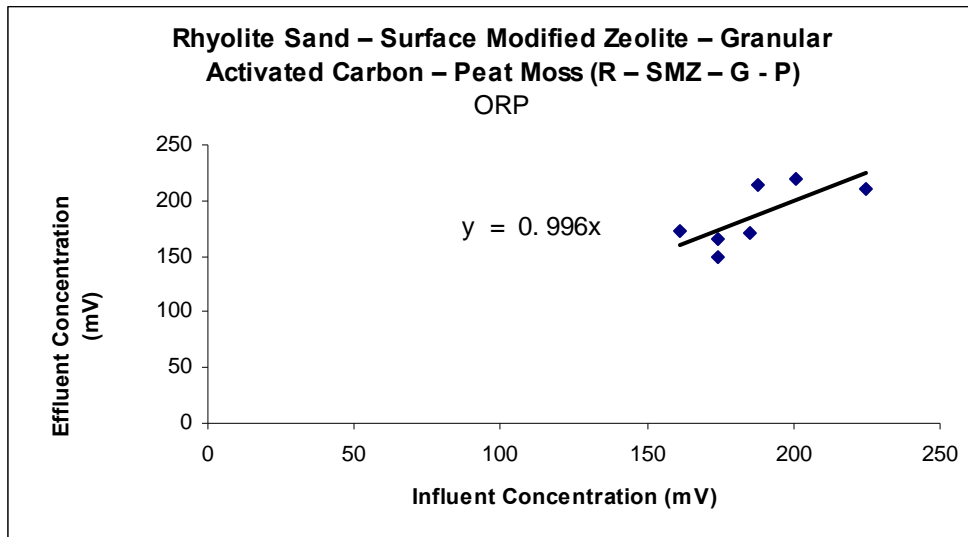
Regression Statistics	
Multiple R	0.995
R Square	0.991
Adjusted R Square	0.824
Standard Error	19.521
Observations	7.000

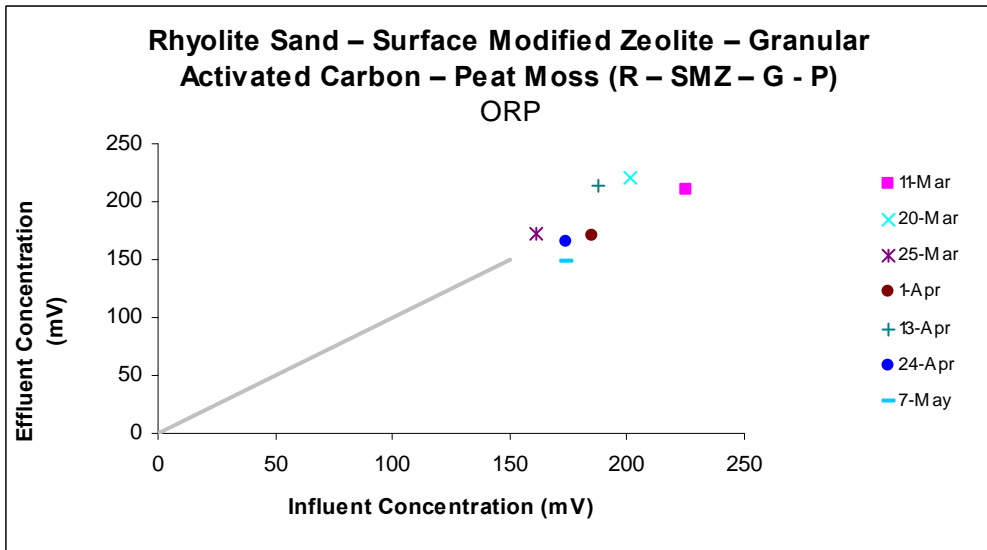
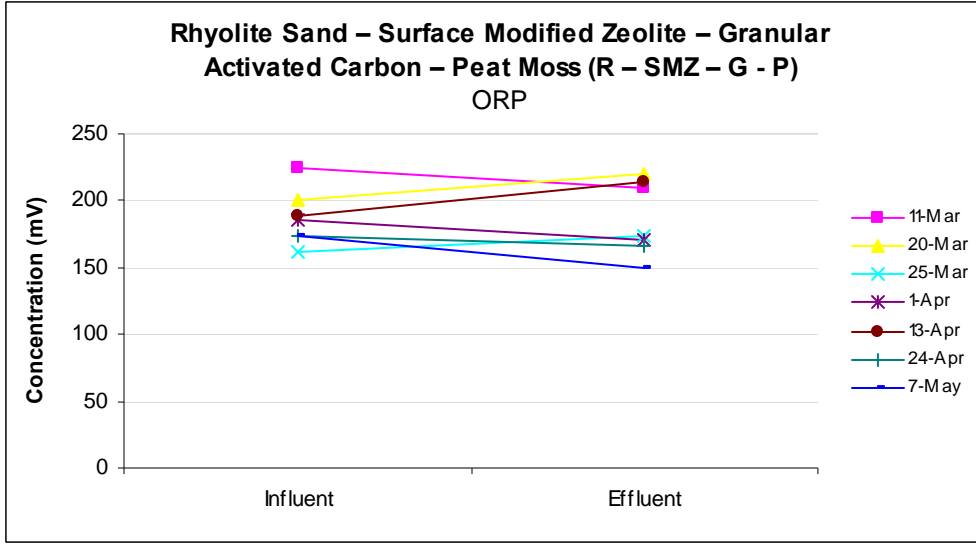
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	244936.617	244936.617	642.770	0.000
Residual	6.000	2286.383	381.064		
Total	7.000	247223.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.996	0.039	25.353	0.000	0.900	1.092	0.900	1.092

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	224.027	-14.027
2	200.131	19.869
3	160.304	12.696
4	184.200	-13.200
5	187.187	26.813
6	173.248	-7.248
7	173.248	-24.248





# Color

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.266
R Square	0.071
Adjusted R Square	-0.115
Standard Error	44.881
Observations	7.000

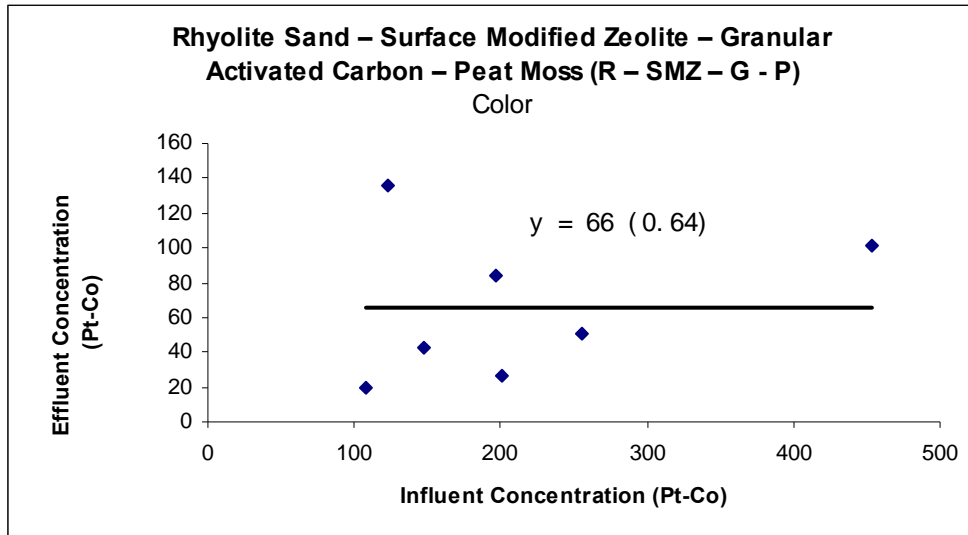
## ANOVA

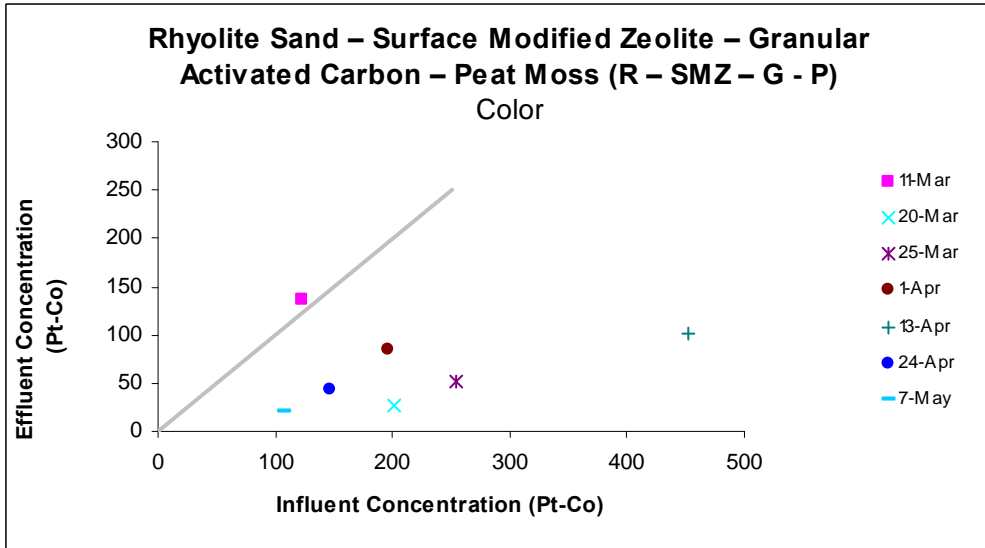
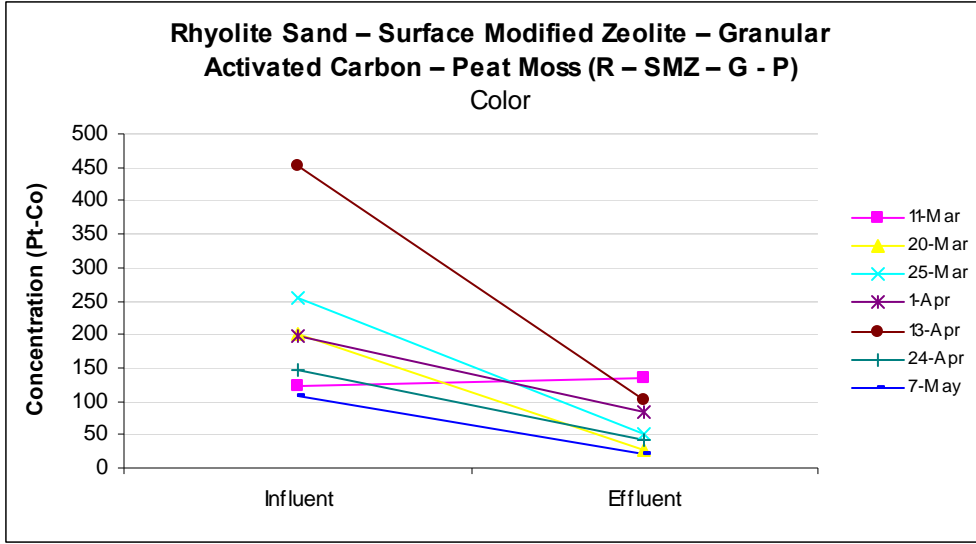
	df	SS	MS	F	Significance F
Regression	1.000	768.495	768.495	0.382	0.564
Residual	5.000	10071.505	2014.301		
Total	6.000	10840.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	45.630	37.086	1.230	0.273	-49.703	140.962	-49.703	140.962
X Variable 1	0.096	0.156	0.618	0.564	-0.304	0.496	-0.304	0.496

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	57.448	78.552
2	64.943	-37.943
3	70.132	-19.132
4	64.559	19.441
5	89.157	11.843
6	59.754	-16.754
7	56.007	-36.007





# Fluoride

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.455
R Square	0.207
Adjusted R Square	0.048
Standard Error	0.605
Observations	7.000

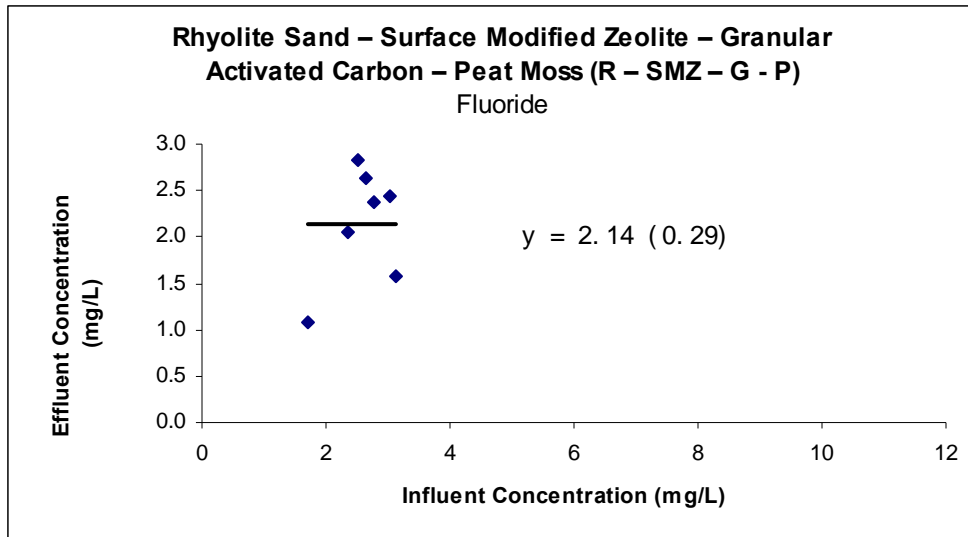
## ANOVA

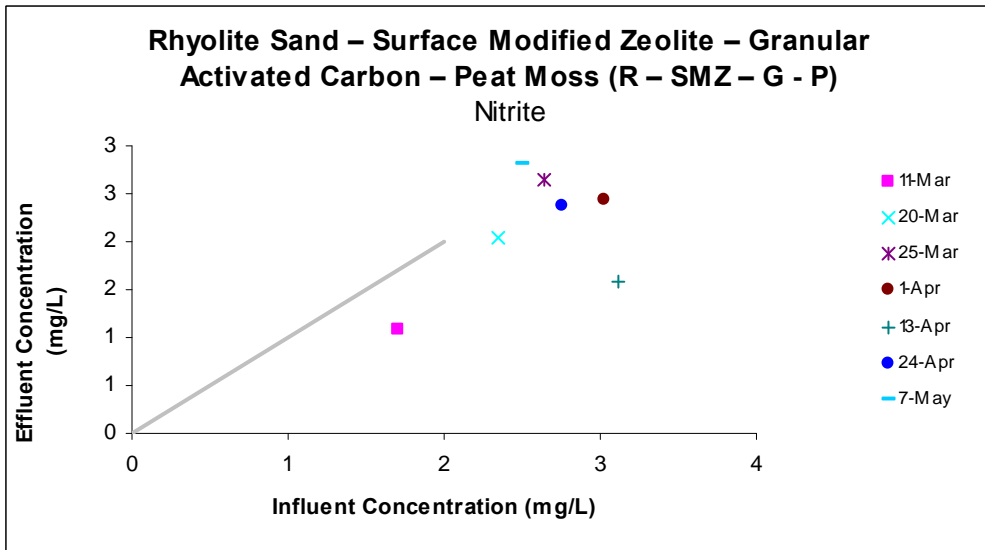
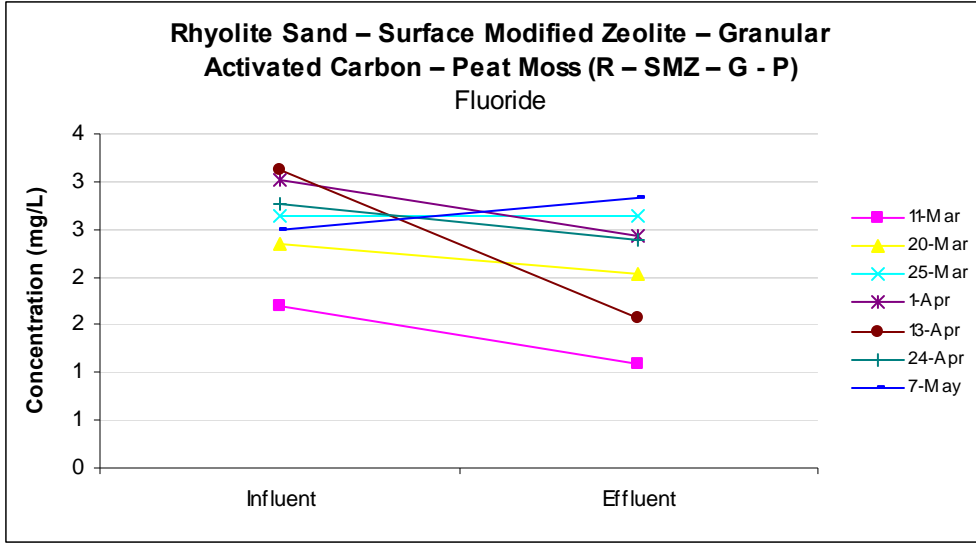
	df	SS	MS	F	Significance F
Regression	1.000	0.477	0.477	1.303	0.305
Residual	5.000	1.830	0.366		
Total	6.000	2.307			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.610	1.360	0.449	0.672	-2.885	4.105	-2.885	4.105
X Variable 1	0.592	0.519	1.141	0.305	-0.742	1.926	-0.742	1.926

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.617	-0.537
2	1.996	0.044
3	2.174	0.466
4	2.399	0.041
5	2.458	-0.878
6	2.245	0.135
7	2.091	0.729





# Sulfate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.487
R Square	0.237
Adjusted R Square	0.084
Standard Error	15.220
Observations	7.000

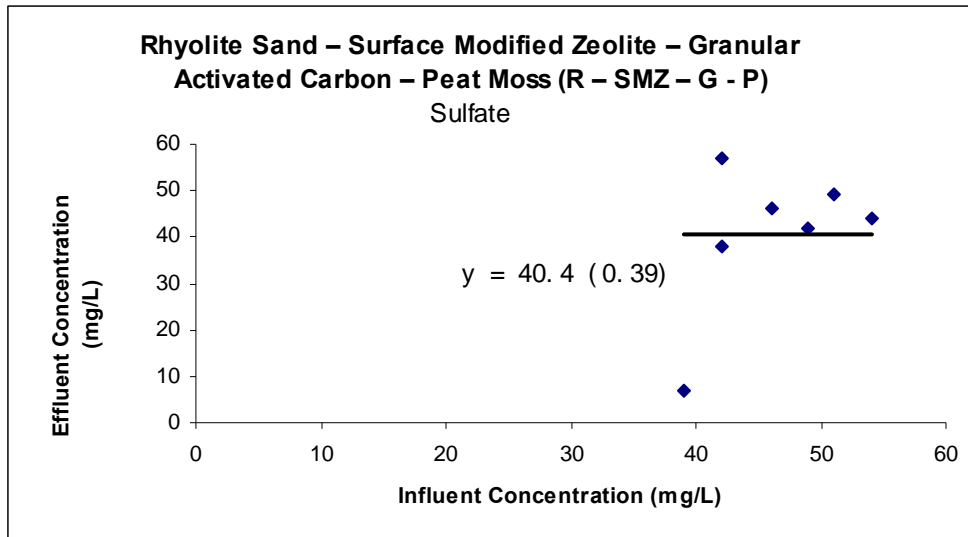
## ANOVA

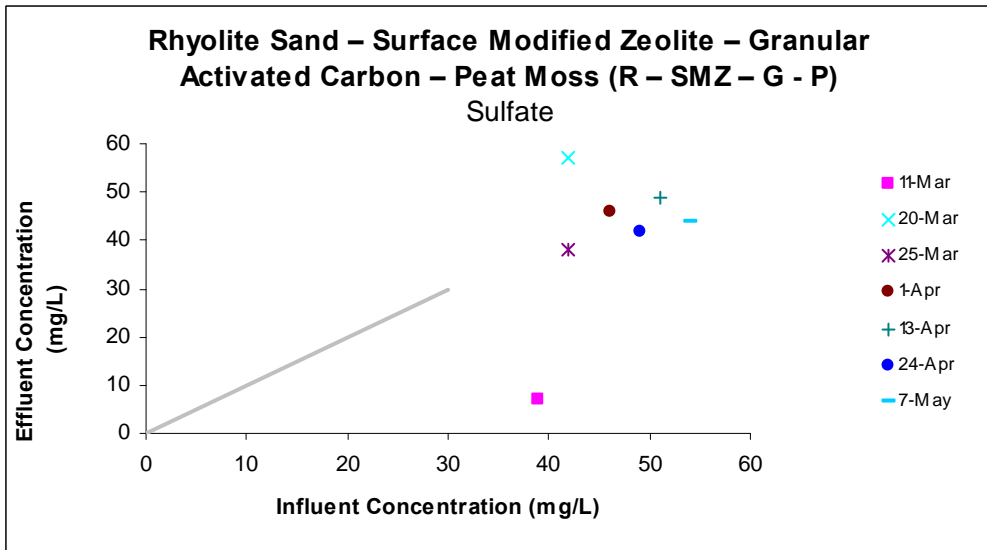
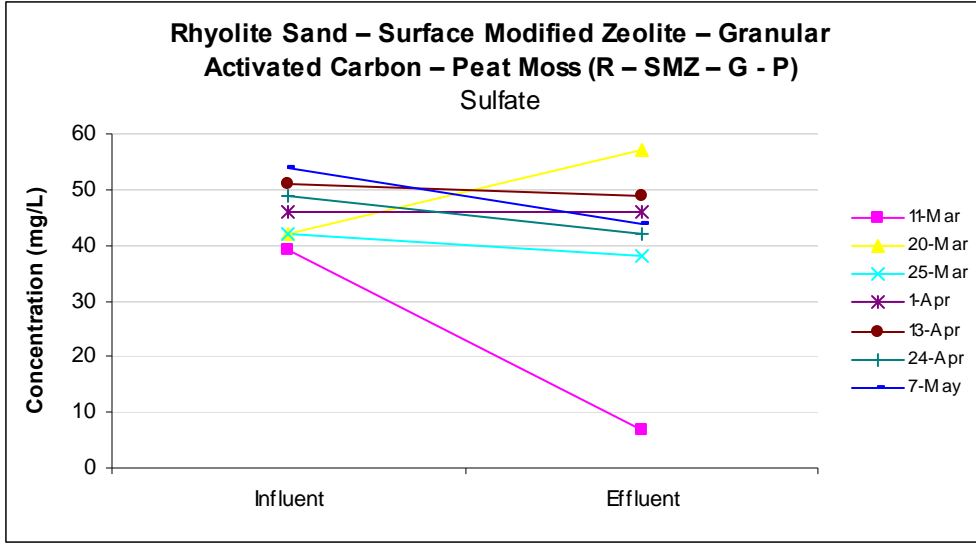
	df	SS	MS	F	Significance F
Regression	1.000	359.496	359.496	1.552	0.268
Residual	5.000	1158.218	231.644		
Total	6.000	1517.714			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-24.990	52.827	-0.473	0.656	-160.784	110.805	-160.784	110.805
X Variable 1	1.418	1.138	1.246	0.268	-1.508	4.343	-1.508	4.343

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	30.302	-23.302
2	34.555	22.445
3	34.555	3.445
4	40.226	5.774
5	47.315	1.685
6	44.479	-2.479
7	51.568	-7.568







# Phosphate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.307
R Square	0.094
Adjusted R Square	-0.087
Standard Error	1.299
Observations	7.000

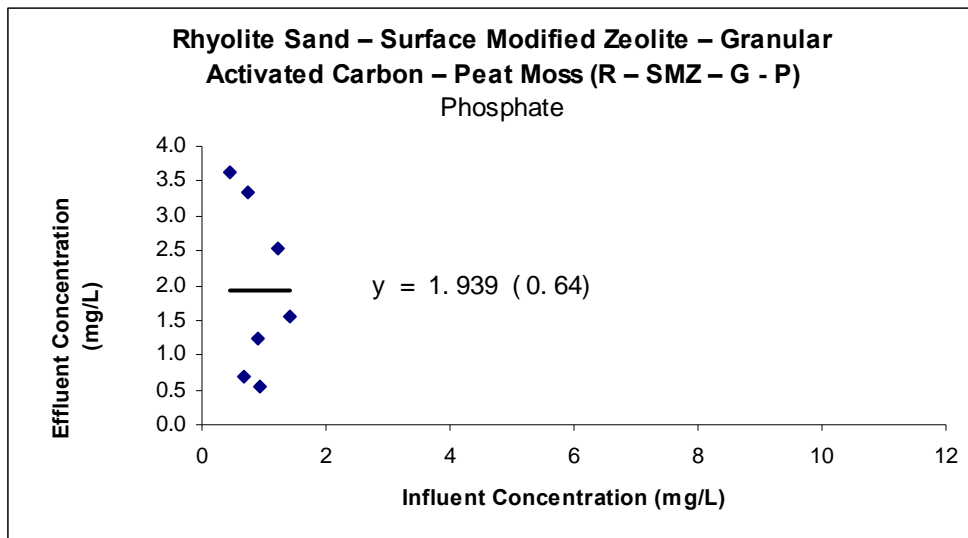
## ANOVA

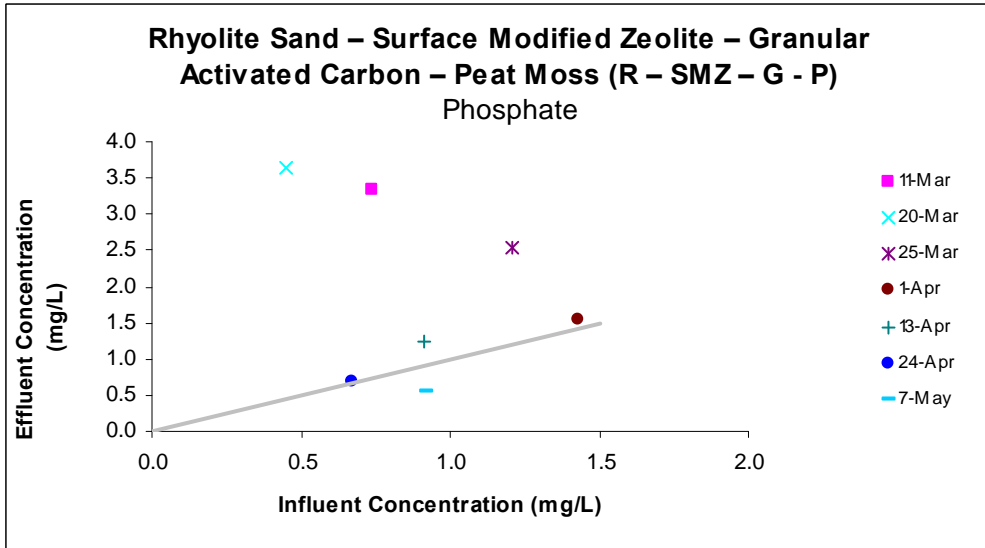
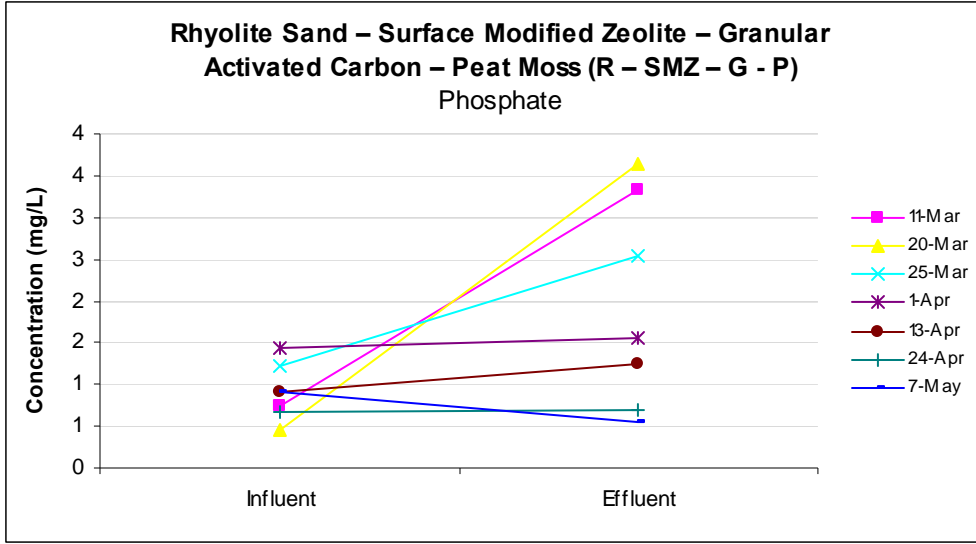
	df	SS	MS	F	Significance F
Regression	1.000	0.975	0.975	0.519	0.504
Residual	5.000	8.433	1.687		
Total	6.000	9.308			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	2.981	1.528	1.951	0.109	-0.947	6.910	-0.947	6.910
X Variable 1	-1.153	1.601	-0.720	0.504	-5.267	2.961	-5.267	2.961

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	2.128	1.212
2	2.462	1.178
3	1.586	0.954
4	1.332	0.218
5	1.932	-0.682
6	2.209	-1.509
7	1.920	-1.370





# TN

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.173
R Square	0.030
Adjusted R Square	-0.164
Standard Error	2.082
Observations	7.000

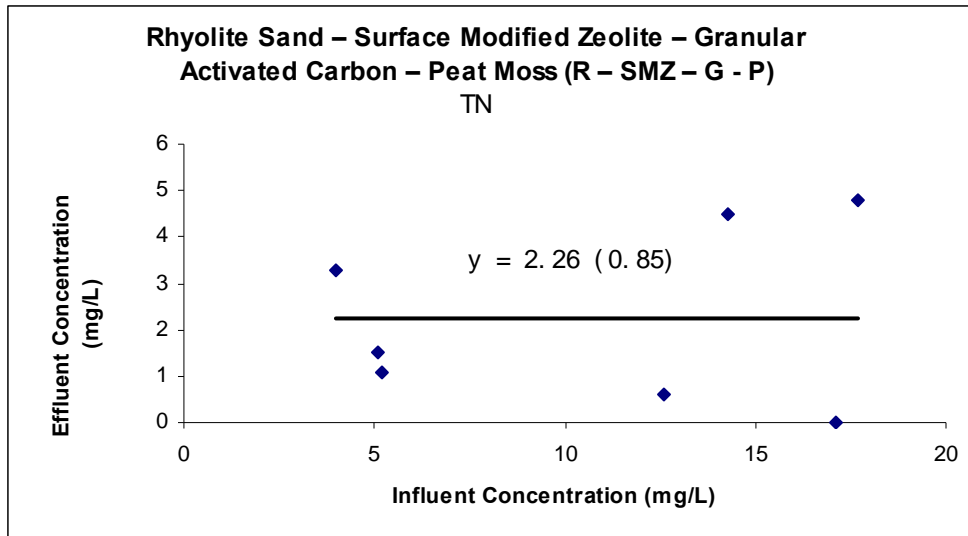
## ANOVA

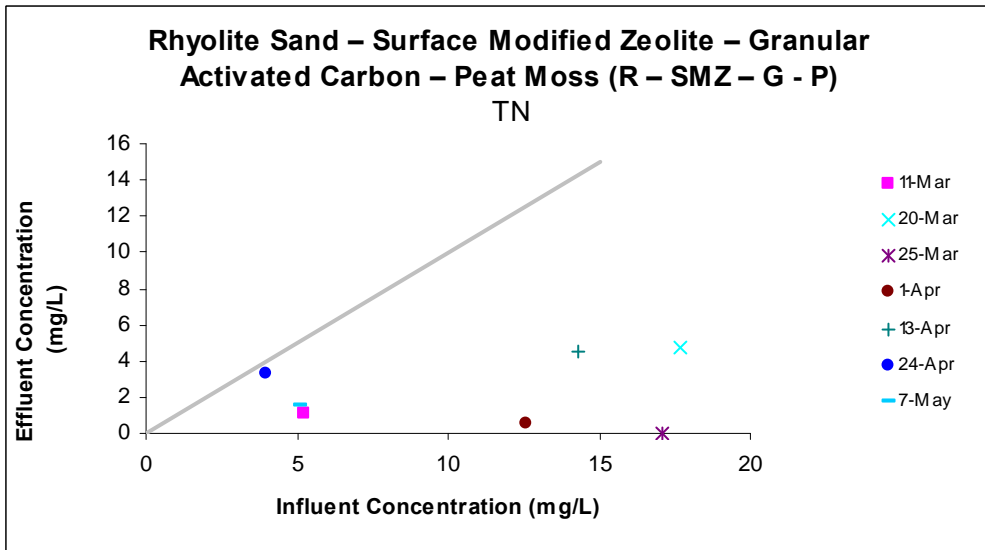
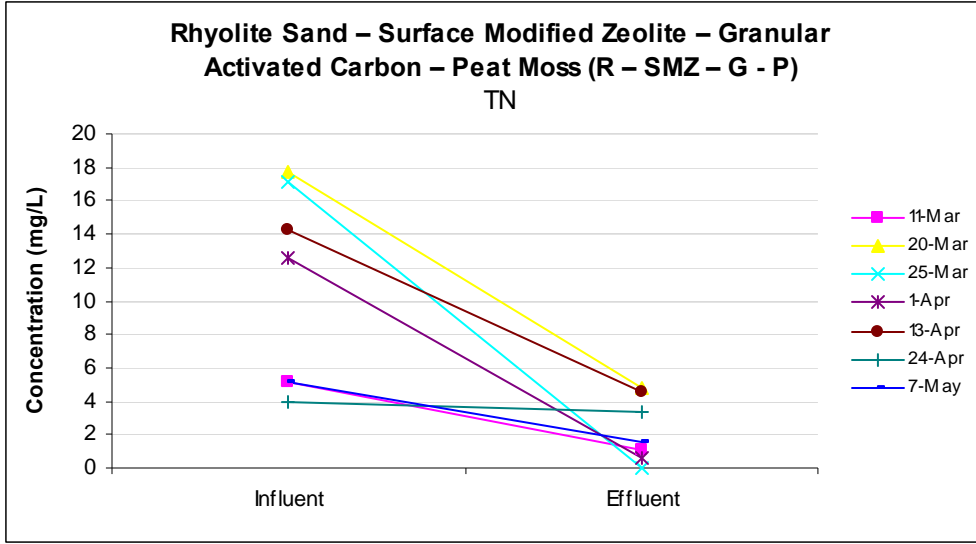
	df	SS	MS	F	Significance F
Regression	1.000	0.665	0.665	0.153	0.711
Residual	5.000	21.672	4.334		
Total	6.000	22.337			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	1.650	1.738	0.950	0.386	-2.817	6.117	-2.817	6.117
X Variable 1	0.056	0.143	0.392	0.711	-0.311	0.423	-0.311	0.423

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.941	-0.841
2	2.640	2.160
3	2.606	-2.606
4	2.355	-1.755
5	2.450	2.050
6	1.874	1.428
7	1.935	-0.435





# UV 254

## SUMMARY OUTPUT

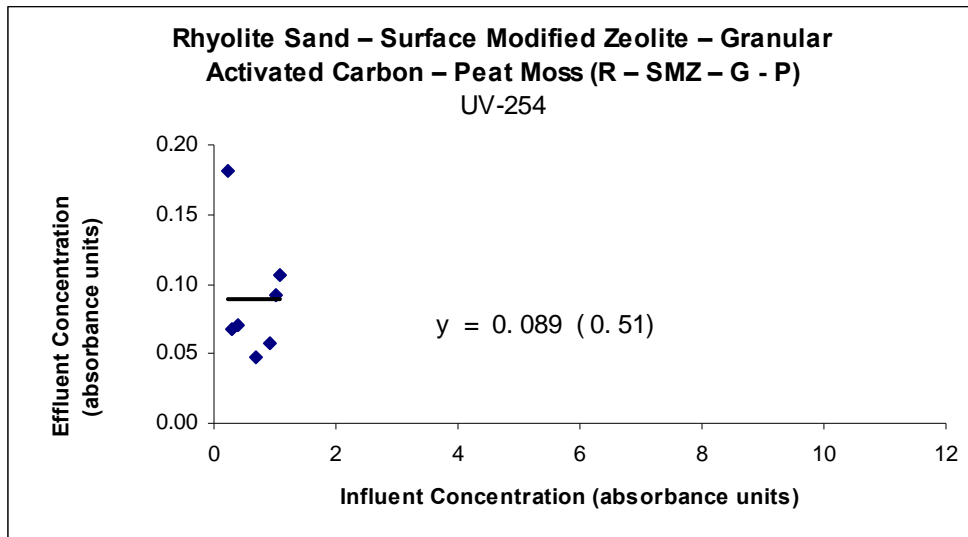
Regression Statistics	
Multiple R	0.290
R Square	0.084
Adjusted R Square	-0.099
Standard Error	0.048
Observations	7.000

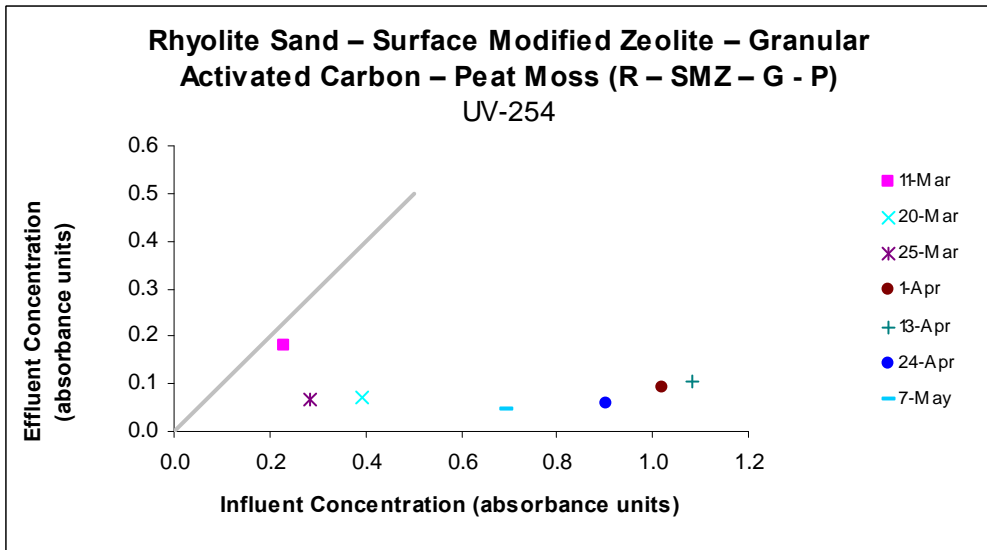
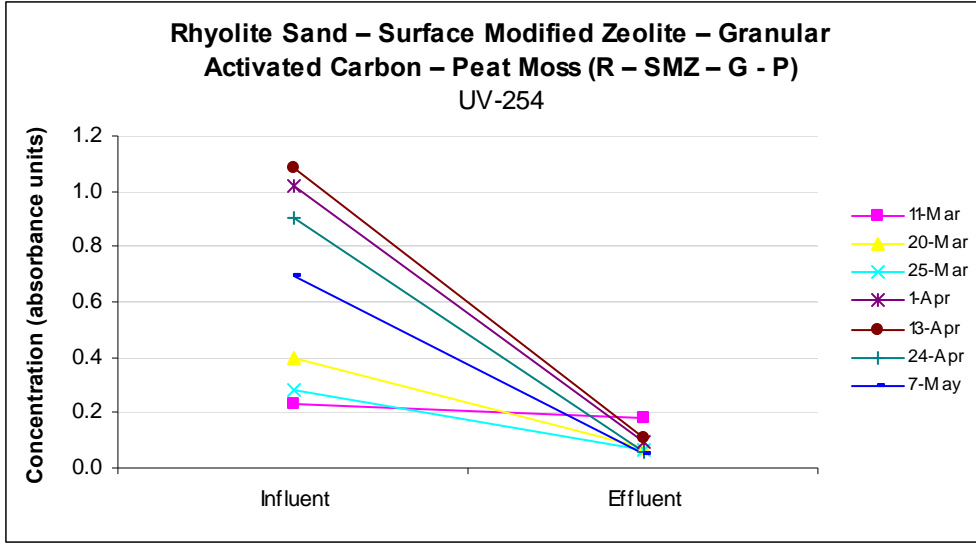
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.001	0.001	0.459	0.528
Residual	5.000	0.011	0.002		
Total	6.000	0.013			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.113	0.040	2.813	0.037	0.010	0.217	0.010	0.217
X Variable 1	-0.037	0.055	-0.678	0.528	-0.178	0.103	-0.178	0.103

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.105	0.077
2	0.099	-0.028
3	0.103	-0.035
4	0.076	0.016
5	0.073	0.033
6	0.080	-0.023
7	0.088	-0.041





# Chloride

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.406
R Square	0.165
Adjusted R Square	-0.002
Standard Error	13.109
Observations	7.000

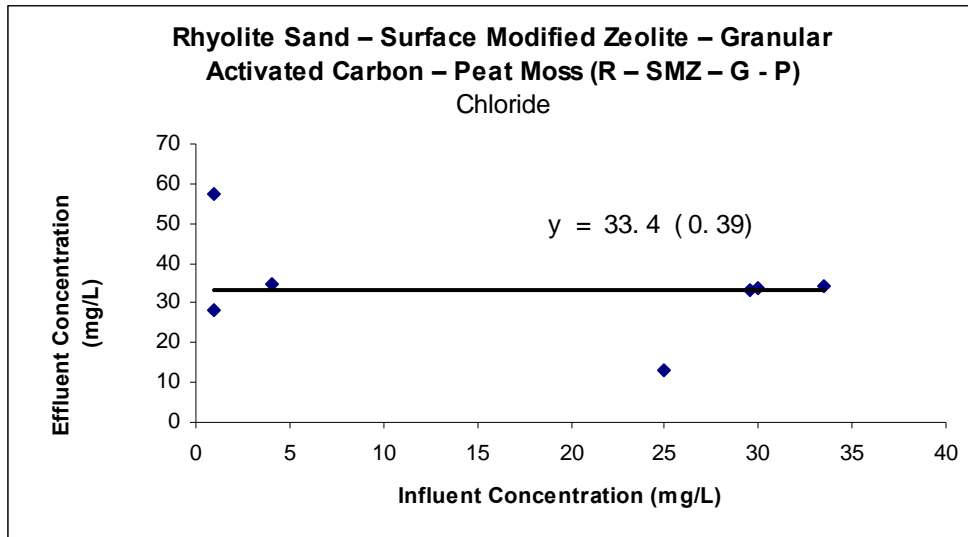
## ANOVA

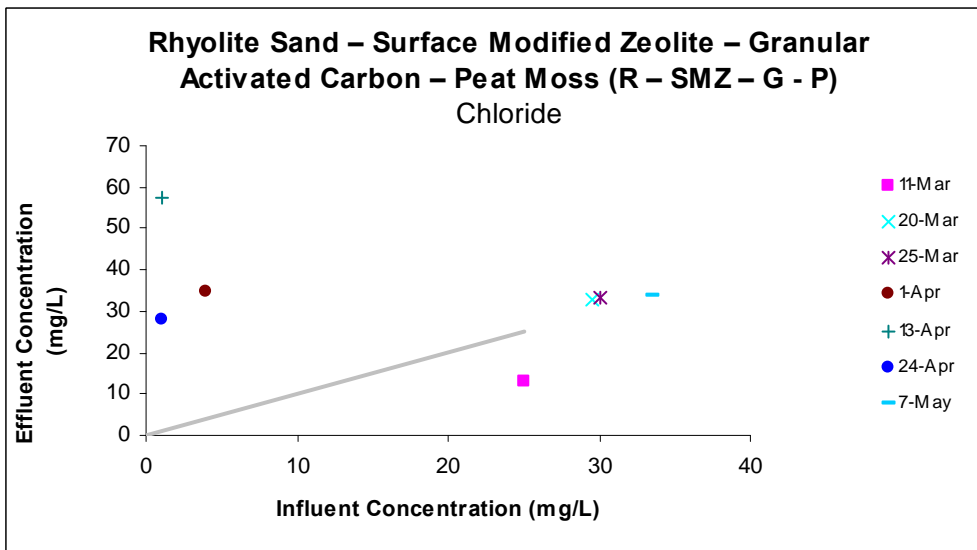
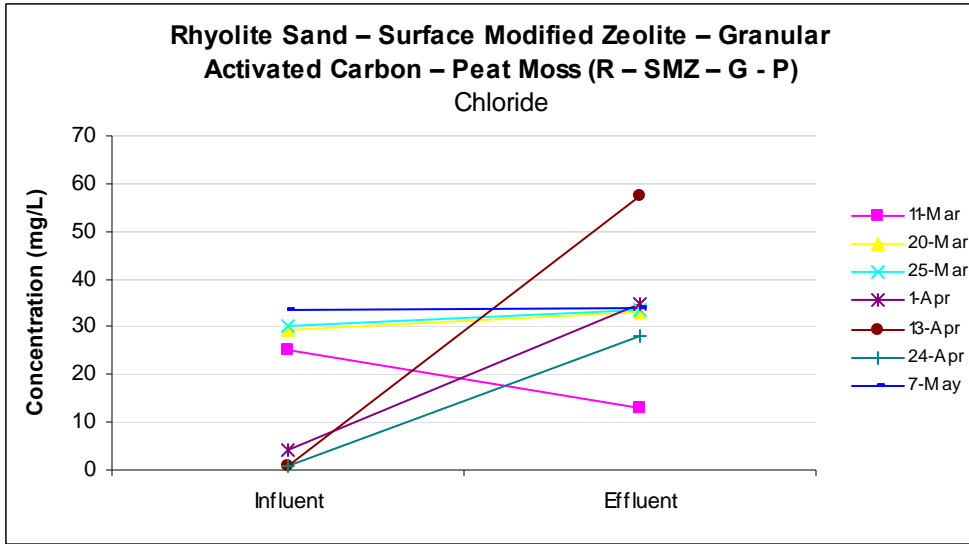
	df	SS	MS	F	Significance F
Regression	1.000	170.035	170.035	0.990	0.366
Residual	5.000	859.179	171.836		
Total	6.000	1029.214			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	39.741	8.051	4.936	0.004	19.045	60.437	19.045	60.437
X Variable 1	-0.356	0.358	-0.995	0.366	-1.277	0.565	-1.277	0.565

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	30.832	-17.832
2	29.229	3.771
3	29.050	4.450
4	38.316	-3.316
5	39.385	18.115
6	39.385	-11.385
7	27.803	6.197







# Hardness

## SUMMARY OUTPUT

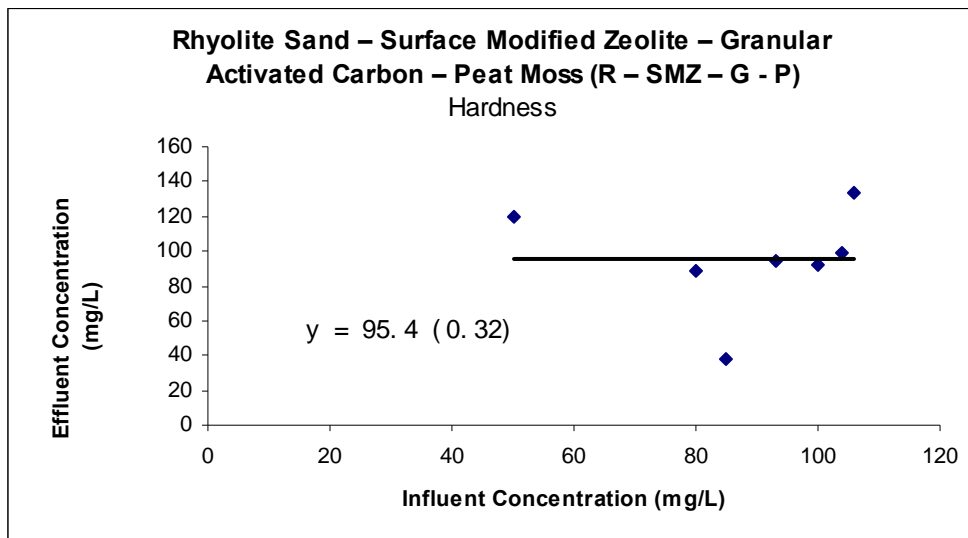
Regression Statistics	
Multiple R	0.002
R Square	0.000
Adjusted R Square	-0.200
Standard Error	33.036
Observations	7.000

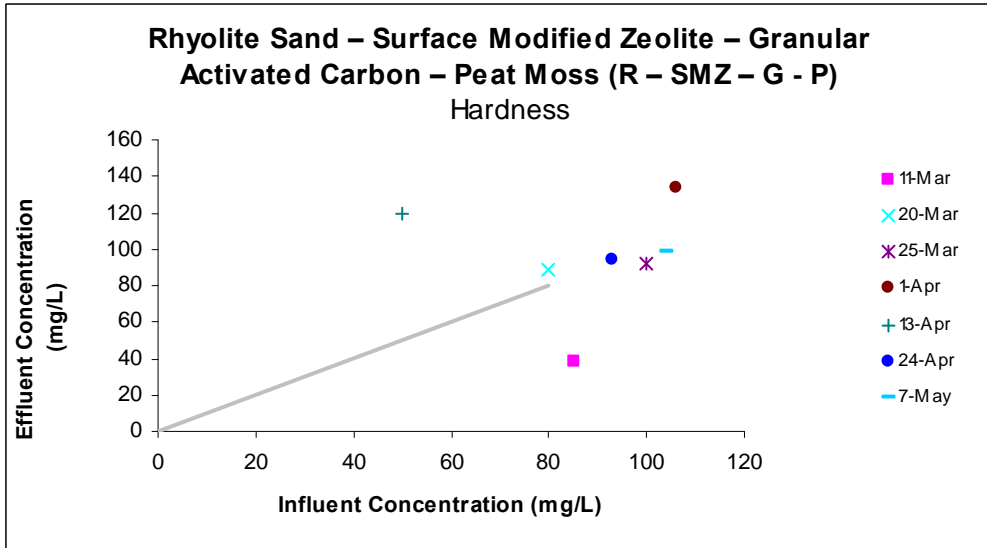
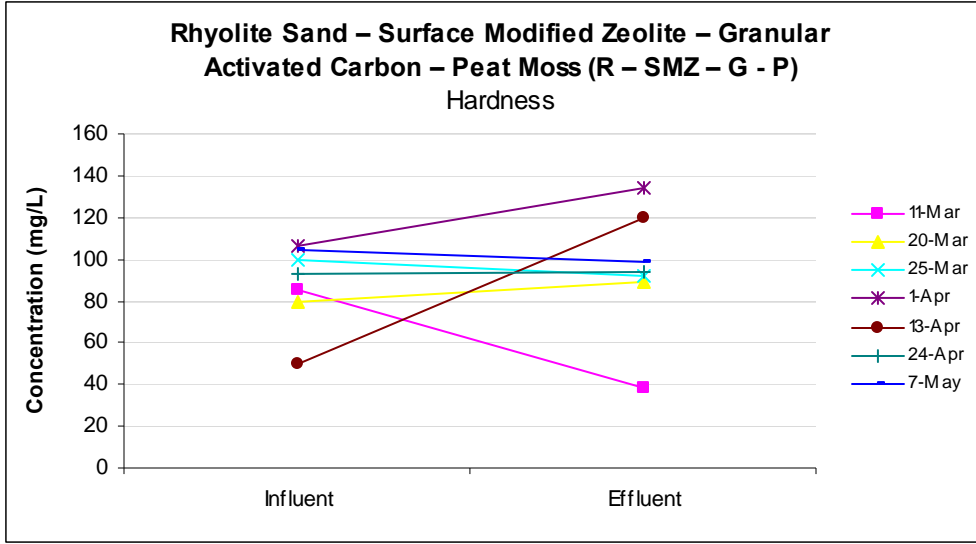
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	0.017	0.017	0.000	0.997
Residual	5.000	5456.840	1091.368		
Total	6.000	5456.857			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	95.388	62.537	1.525	0.188	-65.368	256.144	-65.368	256.144
X Variable 1	-0.003	0.694	-0.004	0.997	-1.787	1.781	-1.787	1.781

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	95.152	-57.152
2	95.166	-6.166
3	95.110	-3.110
4	95.094	38.906
5	95.249	24.751
6	95.130	-1.130
7	95.099	3.901





# NO2+NO3

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.191
R Square	0.036
Adjusted R Square	-0.156
Standard Error	3.814
Observations	7.000

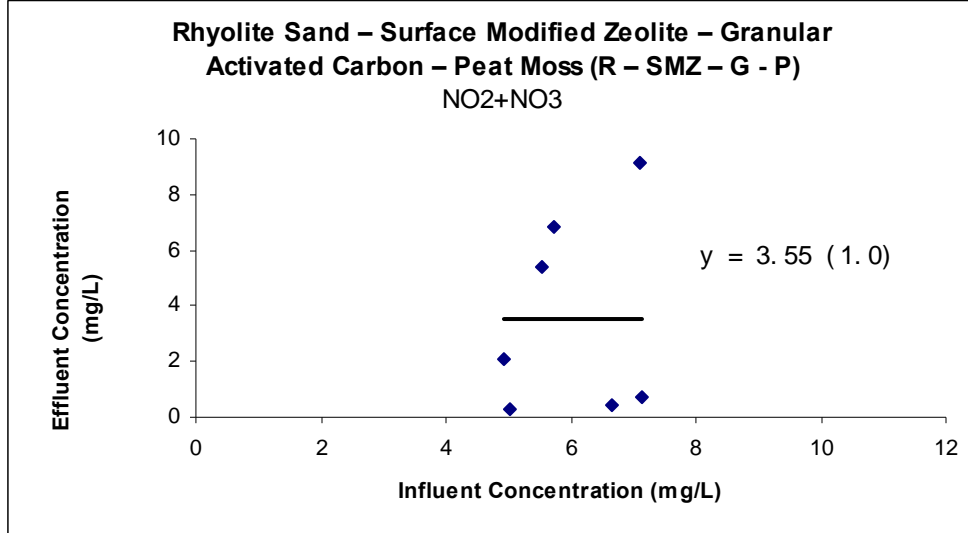
## ANOVA

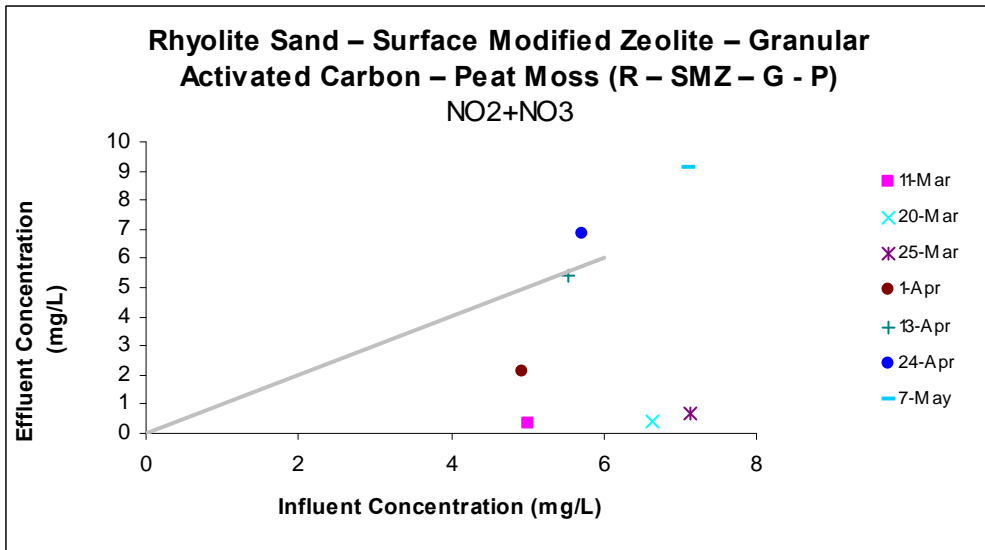
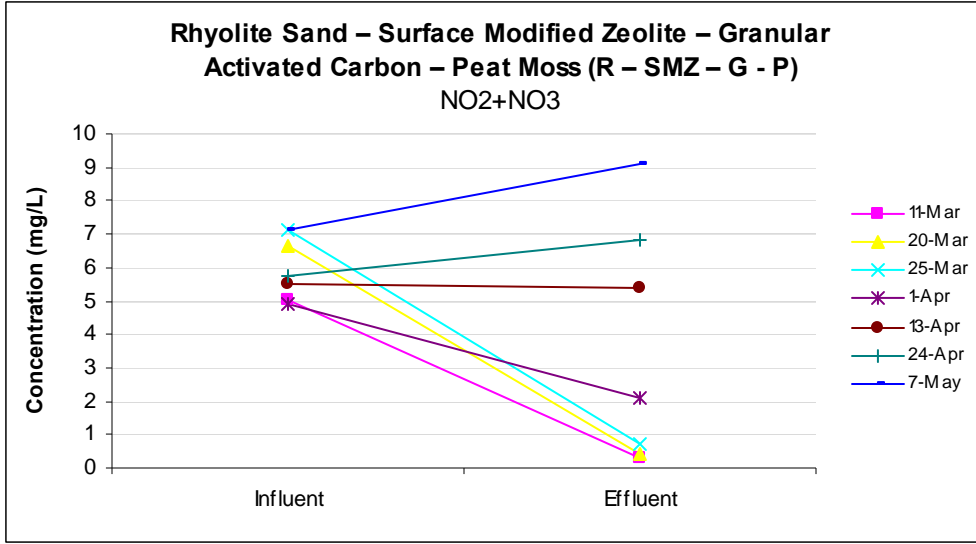
	df	SS	MS	F	Significance F
Regression	1.000	2.753	2.753	0.189	0.682
Residual	5.000	72.739	14.548		
Total	6.000	75.491			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-0.755	10.009	-0.075	0.943	-26.483	24.974	-26.483	24.974
X Variable 1	0.716	1.647	0.435	0.682	-3.516	4.949	-3.516	4.949

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	2.841	-2.518
2	4.006	-3.584
3	4.362	-3.861
4	2.779	-0.687
5	3.204	2.209
6	3.343	3.473
7	4.342	4.768





# Layered Site Sand – Site Zeolite – Granular Activated Carbon (SZG)

## Nitrite

### SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.410
R Square	0.168
Adjusted R Square	0.002
Standard Error	0.015
Observations	7.000

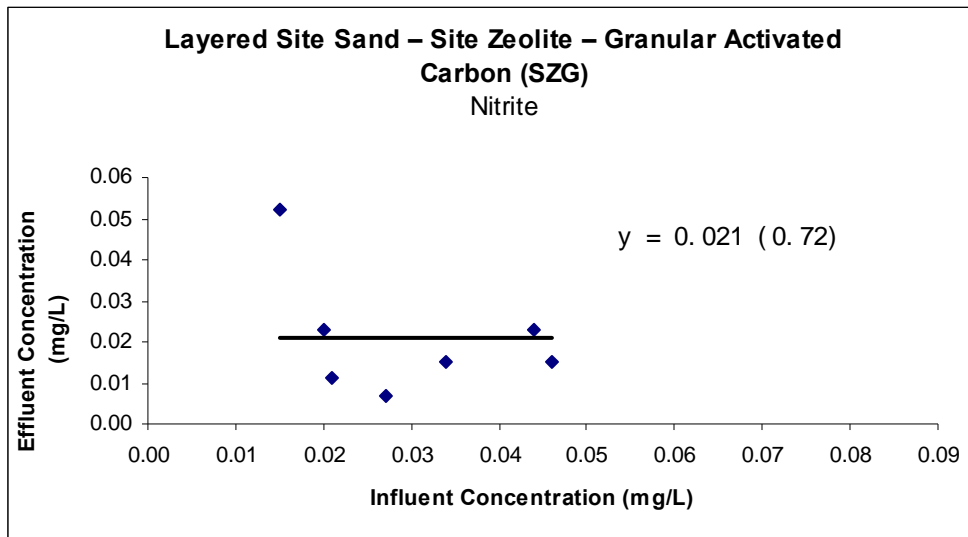
### ANOVA

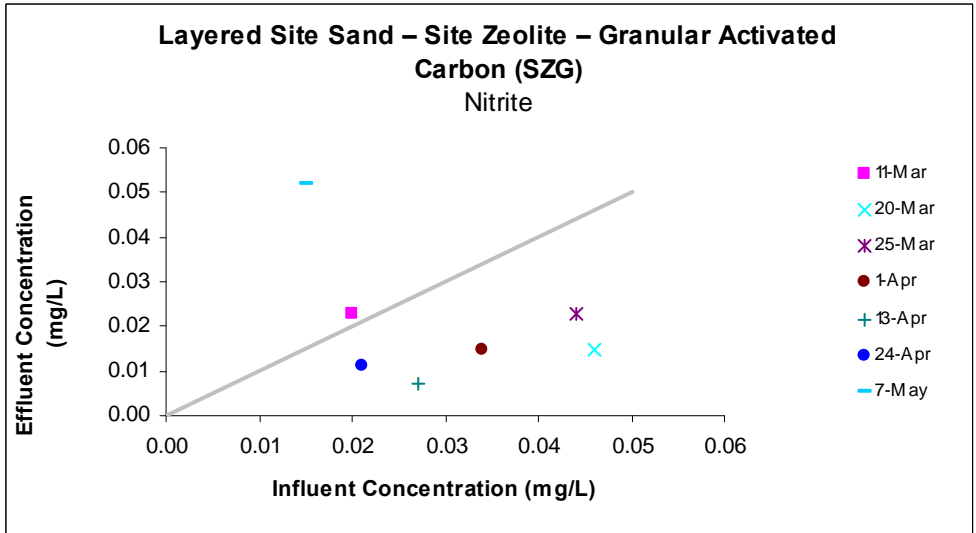
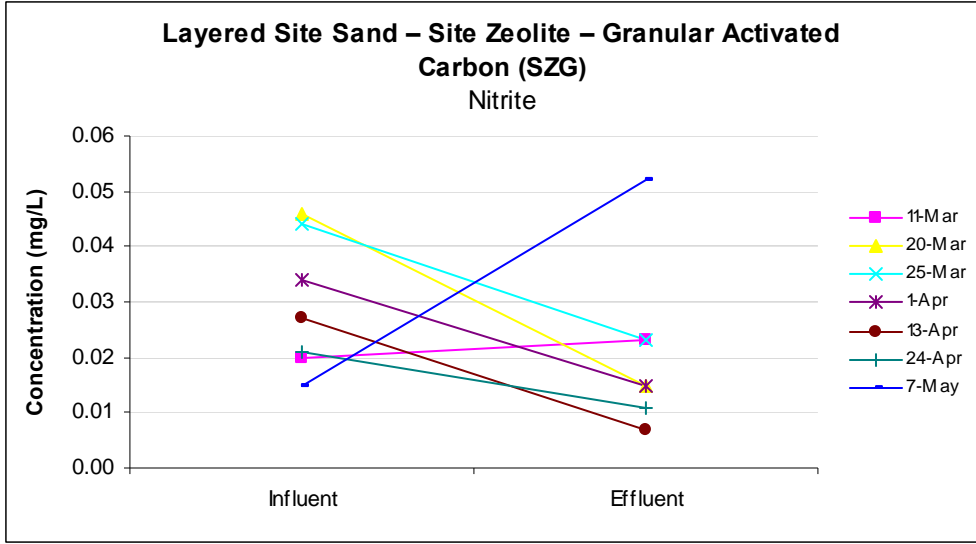
	df	SS	MS	F	Significance F
Regression	1.000	0.000	0.000	1.012	0.361
Residual	5.000	0.001	0.000		
Total	6.000	0.001			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.036	0.016	2.254	0.074	-0.005	0.077	-0.005	0.077
X Variable 1	-0.505	0.502	-1.006	0.361	-1.796	0.786	-1.796	0.786

### RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.026	-0.003
2	0.013	0.002
3	0.014	0.009
4	0.019	-0.004
5	0.022	-0.015
6	0.025	-0.014
7	0.028	0.024





# Nitrate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.569
R Square	0.324
Adjusted R Square	0.189
Standard Error	1.471
Observations	7.000

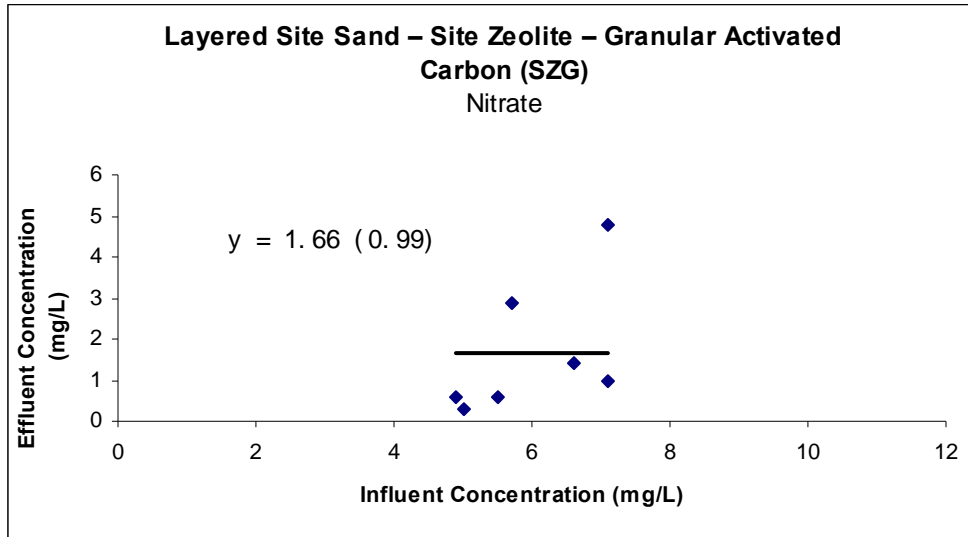
## ANOVA

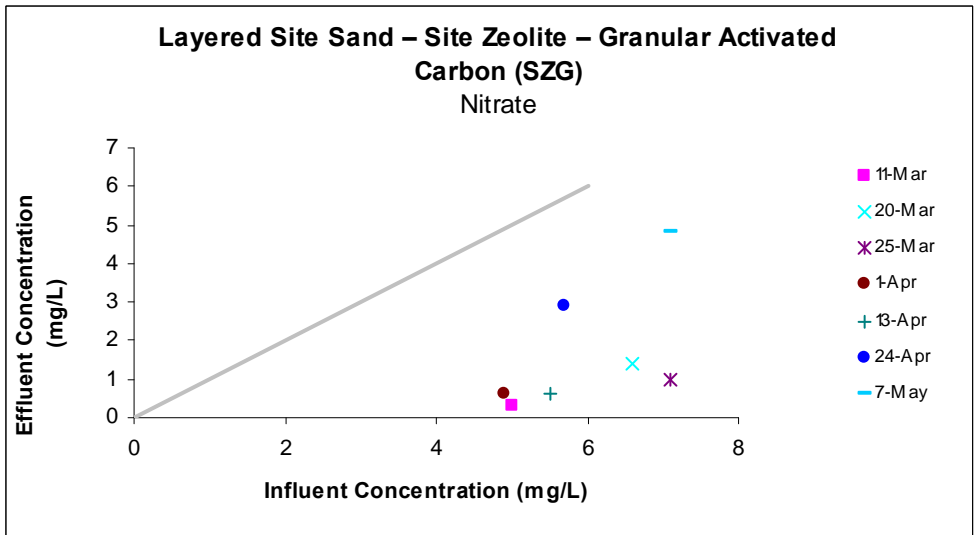
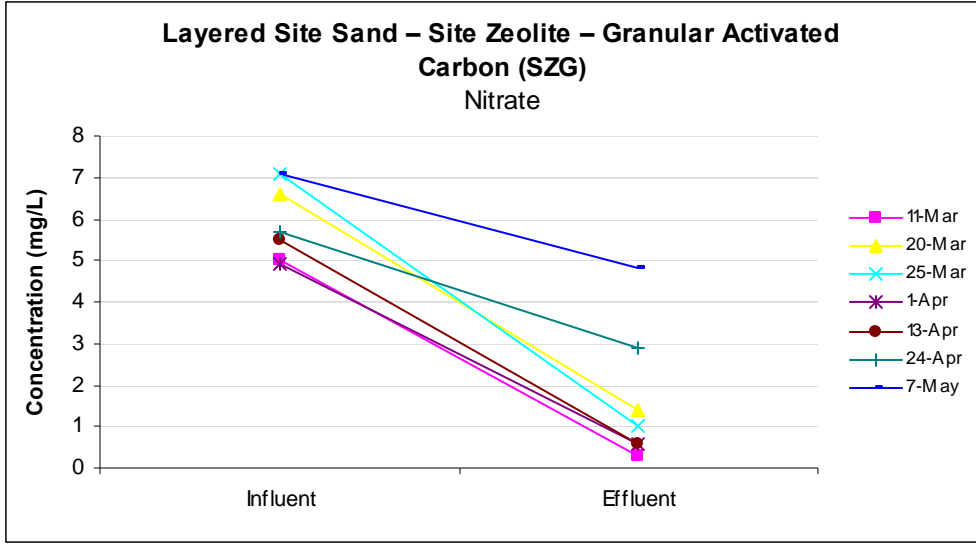
	df	SS	MS	F	Significance F
Regression	1.000	5.184	5.184	2.397	0.182
Residual	5.000	10.813	2.163		
Total	6.000	15.997			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.247	3.854	-1.102	0.321	-14.153	5.659	-14.153	5.659
X Variable 1	0.986	0.637	1.548	0.182	-0.651	2.624	-0.651	2.624

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.885	-0.385
2	2.263	-0.863
3	2.756	-1.756
4	0.586	0.014
5	1.178	-0.578
6	1.375	1.525
7	2.756	2.044







# Ammonia

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.475
R Square	0.225
Adjusted R Square	0.071
Standard Error	0.188
Observations	7.000

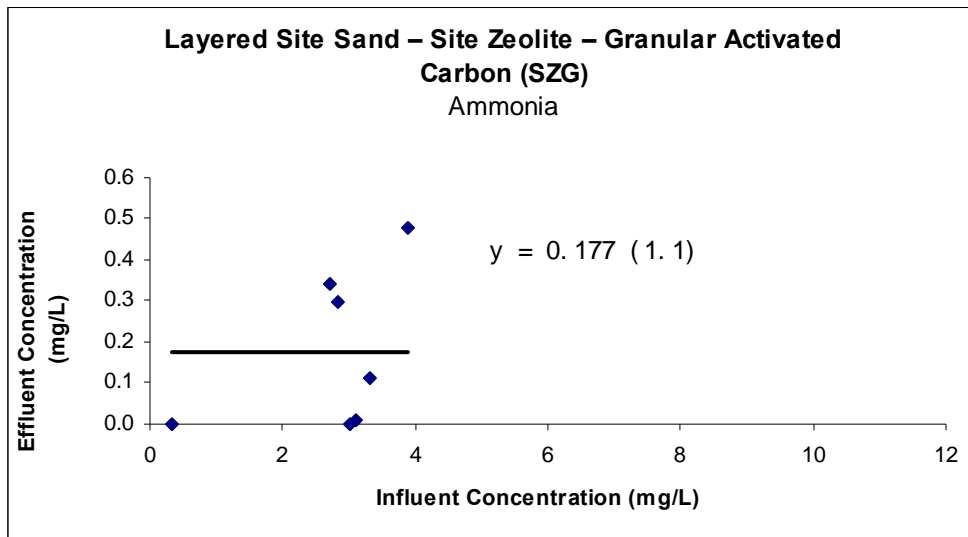
## ANOVA

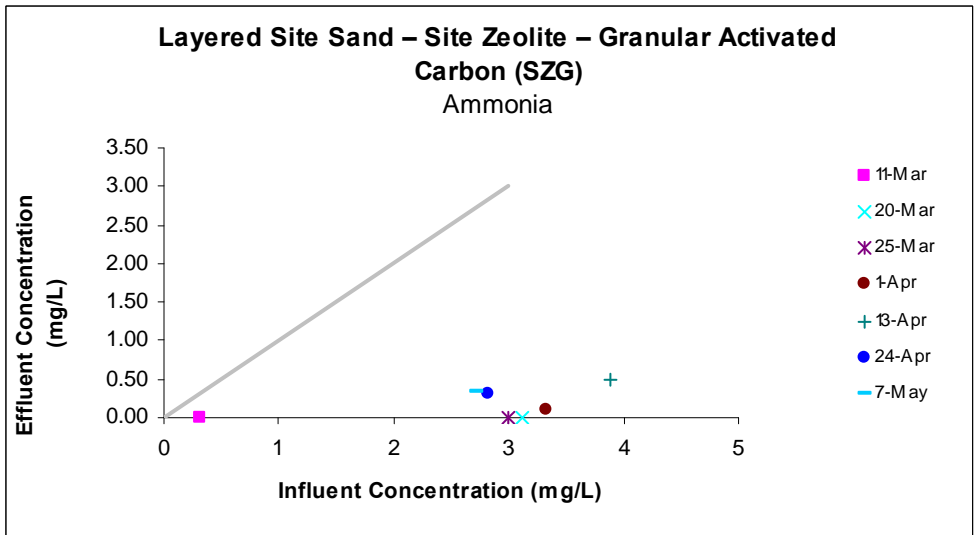
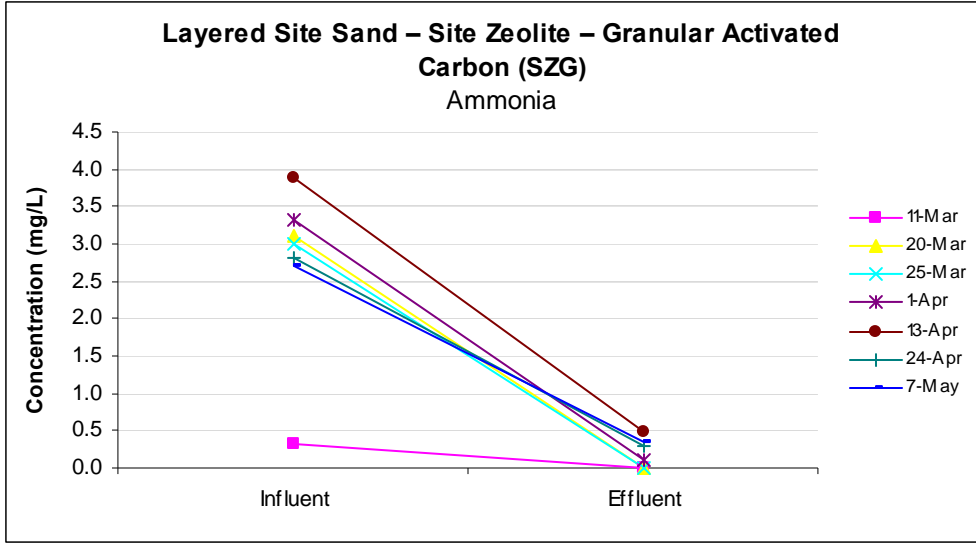
	df	SS	MS	F	Significance F
Regression	1.000	0.052	0.052	1.455	0.282
Residual	5.000	0.177	0.035		
Total	6.000	0.229			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-0.047	0.199	-0.235	0.823	-0.558	0.464	-0.558	0.464
X Variable 1	0.082	0.068	1.206	0.282	-0.092	0.256	-0.092	0.256

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	-0.021	0.021
2	0.208	-0.198
3	0.199	-0.199
4	0.225	-0.115
5	0.270	0.210
6	0.184	0.116
7	0.175	0.165





# TP

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.222
R Square	0.049
Adjusted R Square	-0.141
Standard Error	0.411
Observations	7.000

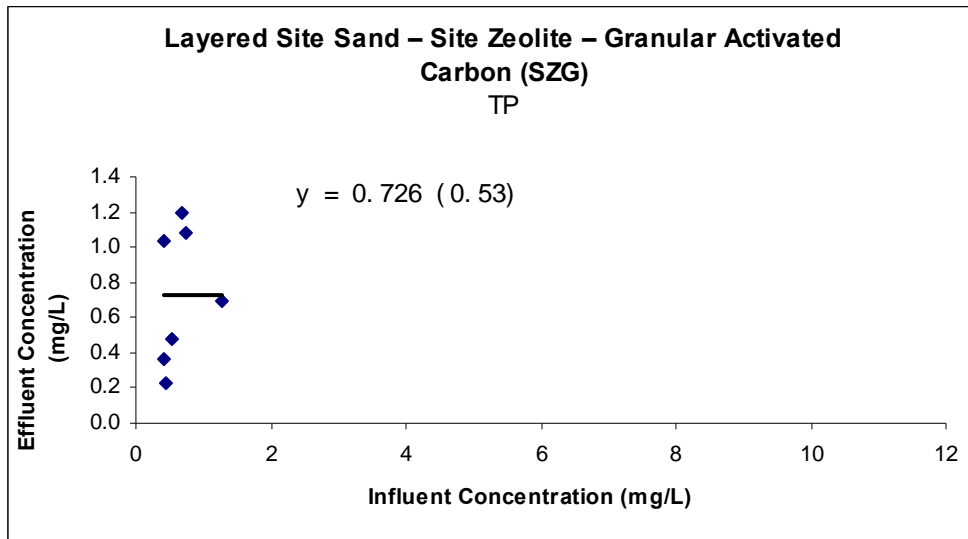
## ANOVA

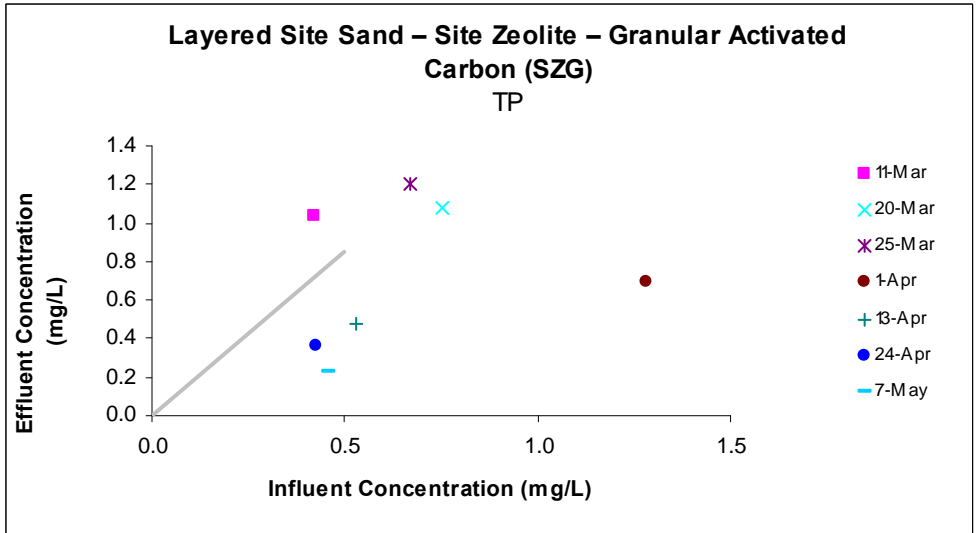
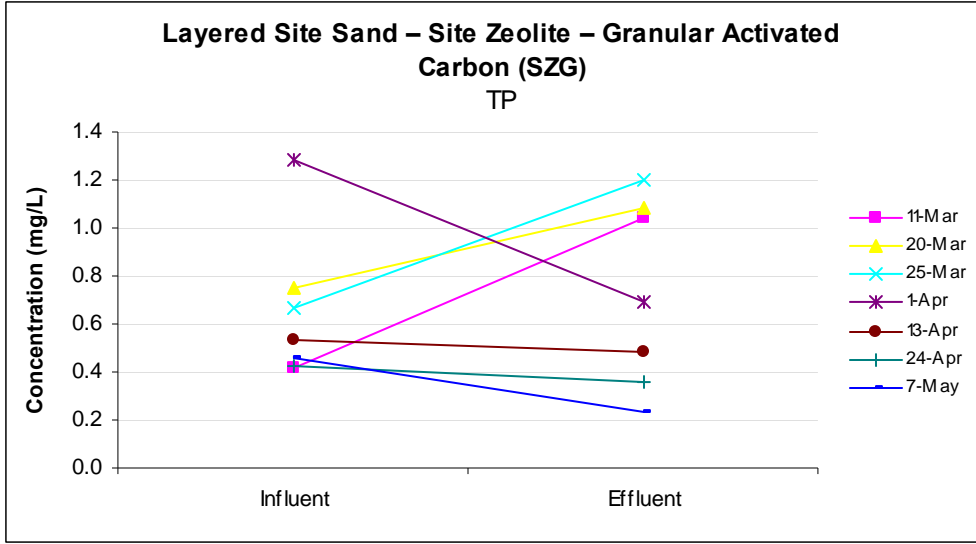
	df	SS	MS	F	Significance F
Regression	1.000	0.044	0.044	0.258	0.633
Residual	5.000	0.844	0.169		
Total	6.000	0.888			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.546	0.387	1.409	0.218	-0.450	1.542	-0.450	1.542
X Variable 1	0.278	0.548	0.508	0.633	-1.131	1.688	-1.131	1.688

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.663	0.377
2	0.755	0.325
3	0.732	0.468
4	0.902	-0.212
5	0.693	-0.213
6	0.665	-0.303
7	0.673	-0.441





# COD

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.113
R Square	0.013
Adjusted R Square	-0.185
Standard Error	10.882
Observations	7.000

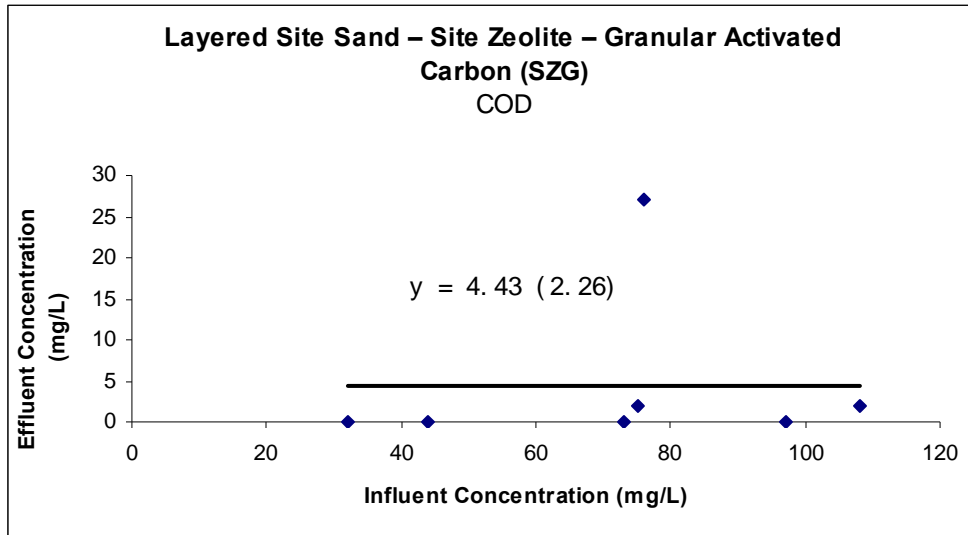
## ANOVA

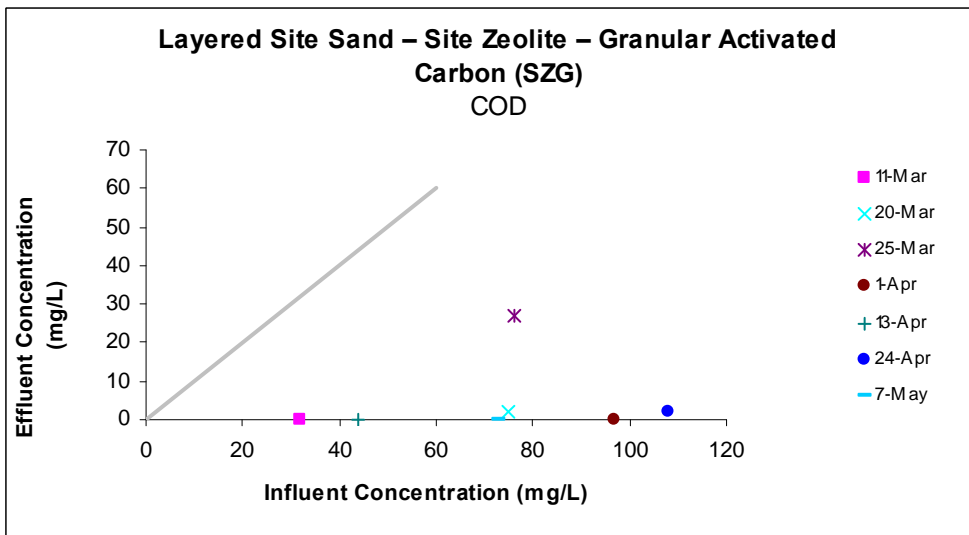
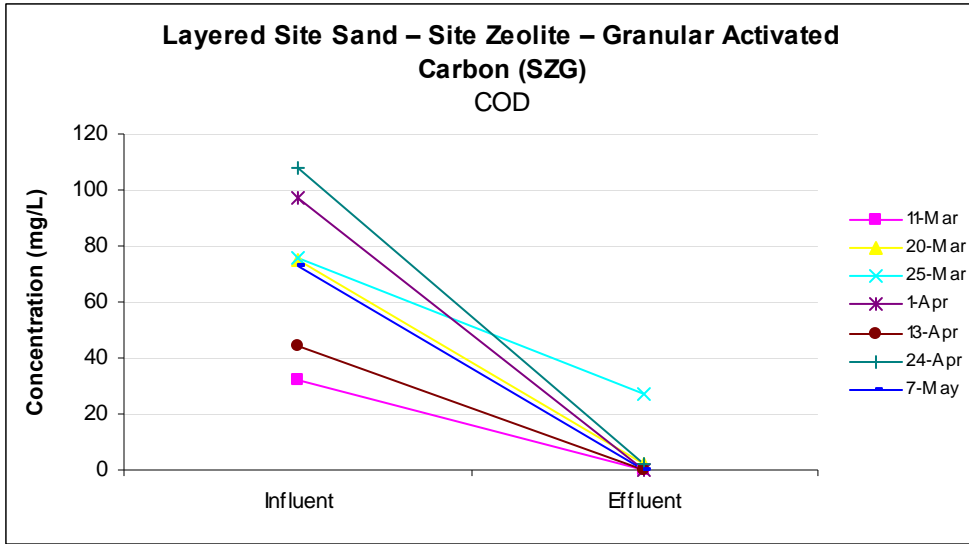
	df	SS	MS	F	Significance F
Regression	1.000	7.612	7.612	0.064	0.810
Residual	5.000	592.102	118.420		
Total	6.000	599.714			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	1.404	12.619	0.111	0.916	-31.033	33.841	-31.033	33.841
X Variable 1	0.042	0.165	0.254	0.810	-0.383	0.467	-0.383	0.467

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	2.746	-2.746
2	4.548	-2.548
3	4.590	22.410
4	5.471	-5.471
5	3.249	-3.249
6	5.932	-3.932
7	4.465	-4.465





# pH

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.277
R Square	0.077
Adjusted R Square	-0.108
Standard Error	0.732
Observations	7.000

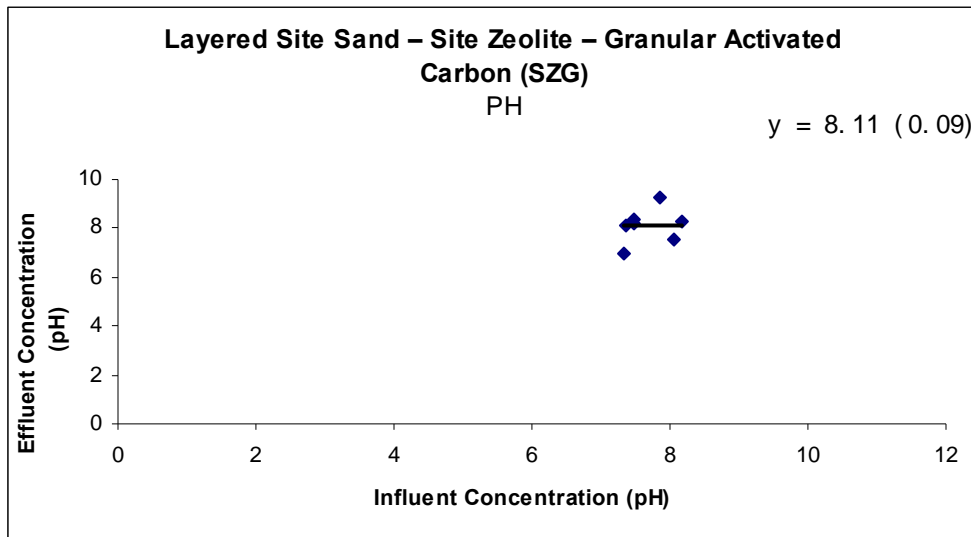
## ANOVA

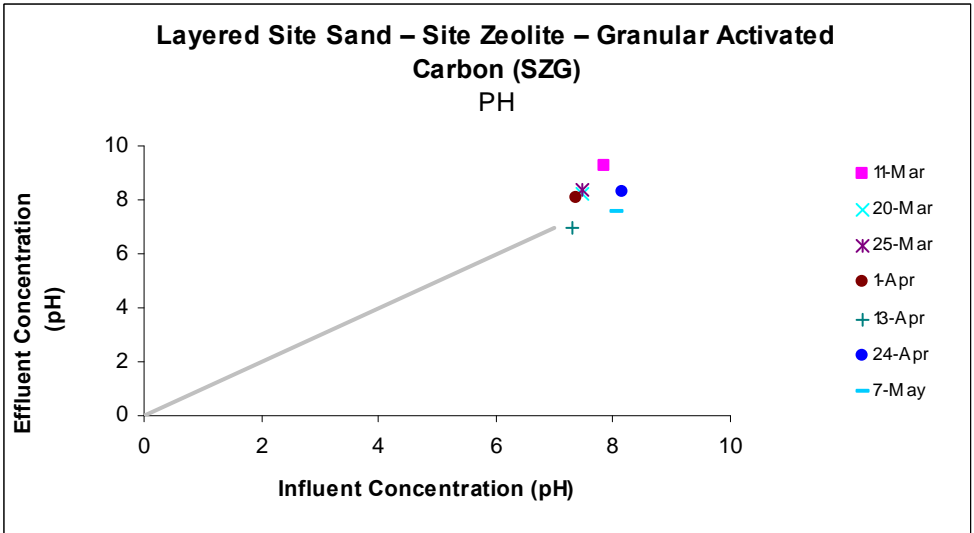
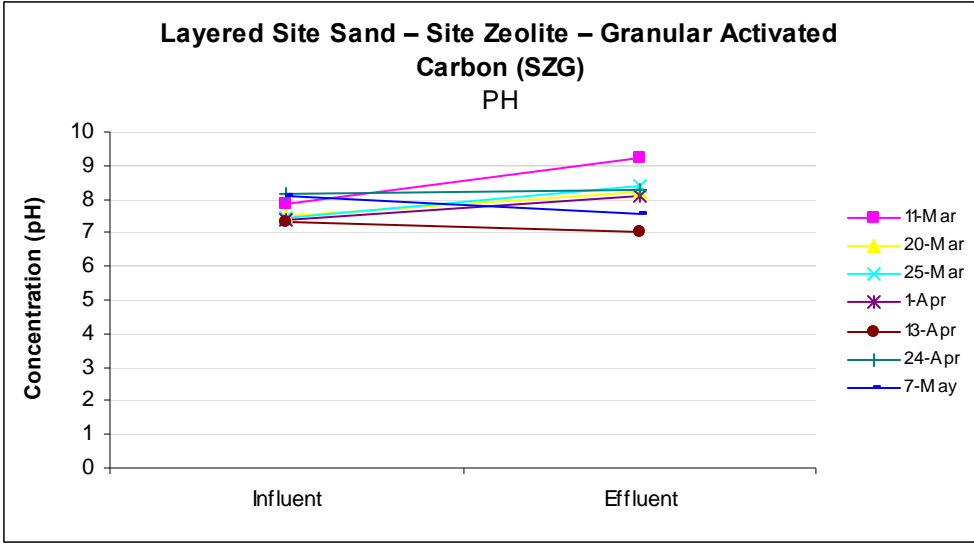
	df	SS	MS	F	Significance F
Regression	1.000	0.223	0.223	0.416	0.547
Residual	5.000	2.680	0.536		
Total	6.000	2.904			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	3.880	6.565	0.591	0.580	-12.996	20.757	-12.996	20.757
X Variable 1	0.551	0.854	0.645	0.547	-1.645	2.748	-1.645	2.748

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	8.214	1.026
2	8.004	0.186
3	7.999	0.391
4	7.944	0.166
5	7.916	-0.916
6	8.385	-0.105
7	8.329	-0.749







# Conductivity

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.679
R Square	0.462
Adjusted R Square	0.354
Standard Error	46.111
Observations	7.000

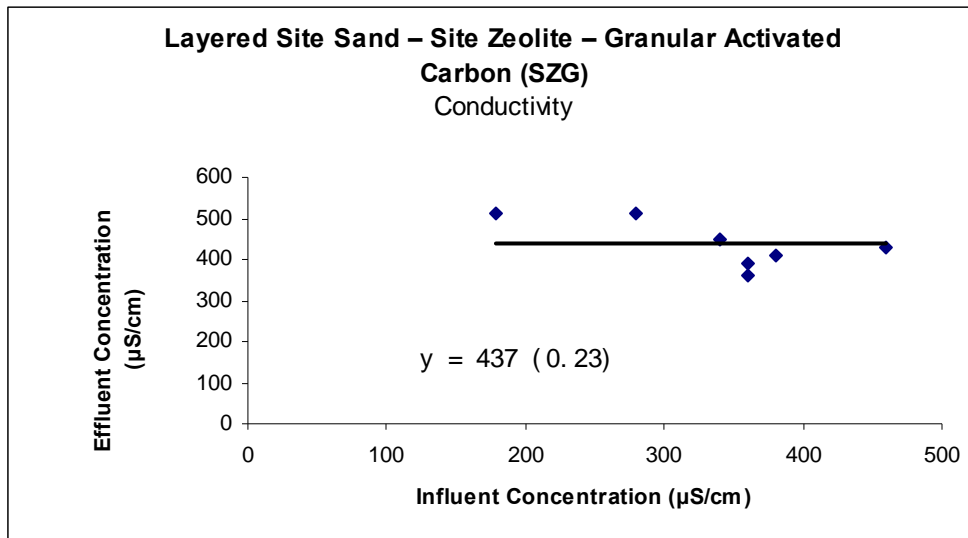
## ANOVA

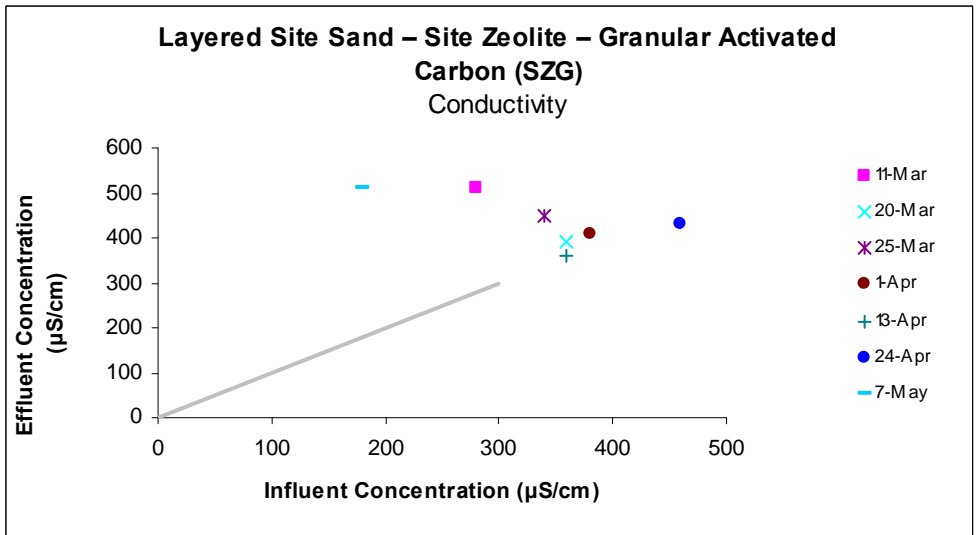
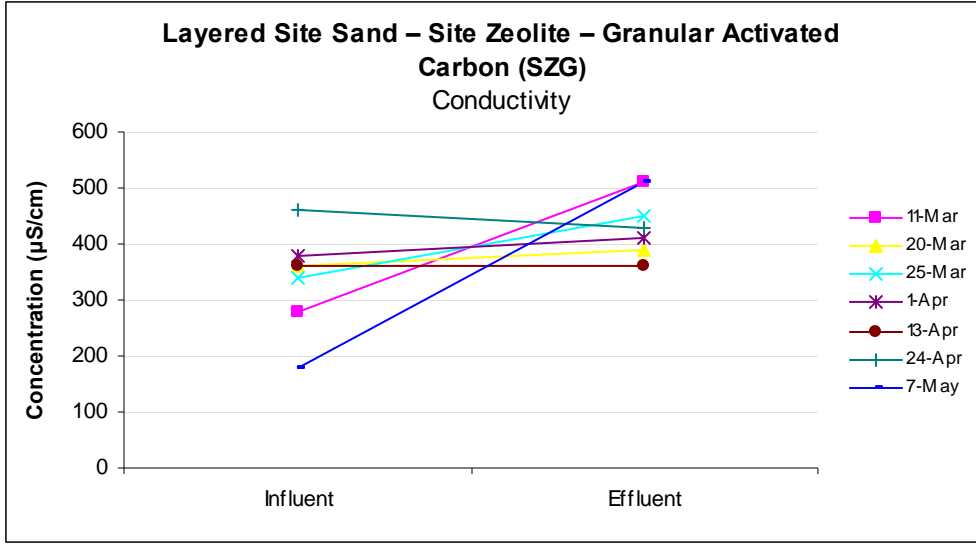
	df	SS	MS	F	Significance F
Regression	1.000	9111.524	9111.524	4.285	0.093
Residual	5.000	10631.333	2126.267		
Total	6.000	19742.857			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	586.709	74.324	7.894	0.001	395.654	777.763	395.654	777.763
X Variable 1	-0.444	0.214	-2.070	0.093	-0.995	0.107	-0.995	0.107

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	462.440	47.560
2	426.935	-36.935
3	435.811	14.189
4	418.059	-8.059
5	426.935	-66.935
6	382.554	47.446
7	507.266	2.734





# ORP

## SUMMARY OUTPUT

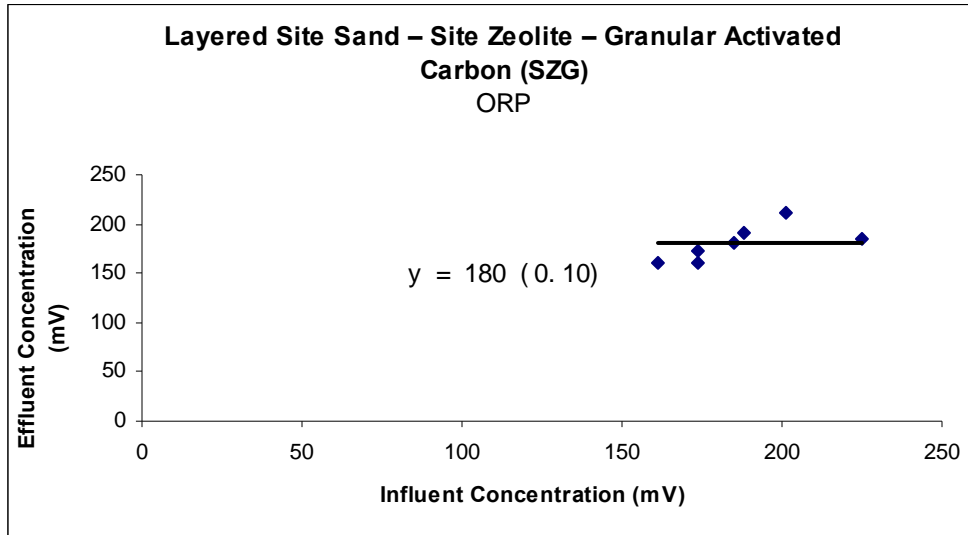
Regression Statistics	
Multiple R	0.639
R Square	0.409
Adjusted R Square	0.290
Standard Error	15.025
Observations	7.000

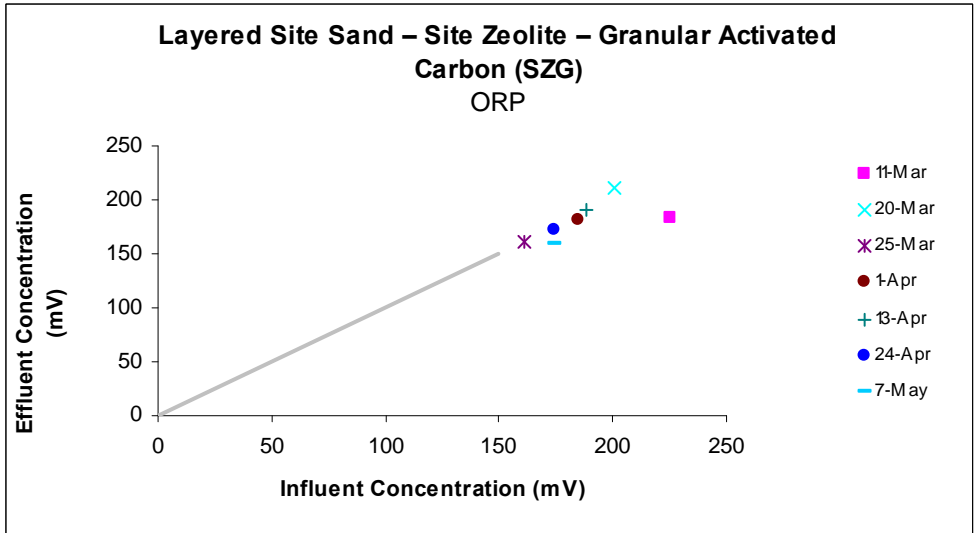
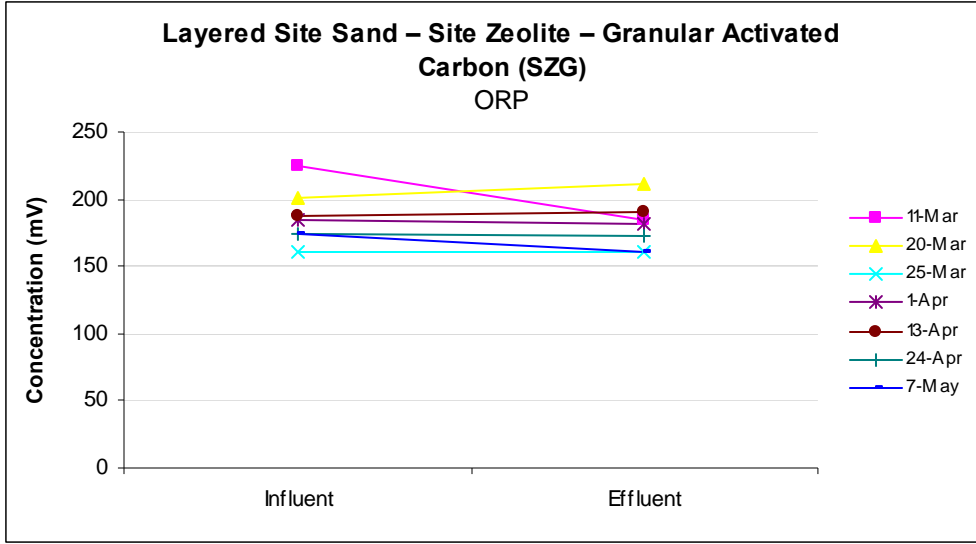
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	780.039	780.039	3.455	0.122
Residual	5.000	1128.818	225.764		
Total	6.000	1908.857			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	78.934	54.744	1.442	0.209	-61.791	219.658	-61.791	219.658
X Variable 1	0.542	0.291	1.859	0.122	-0.207	1.291	-0.207	1.291

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	200.803	-16.803
2	187.803	23.197
3	168.138	-5.138
4	179.137	1.863
5	180.782	10.238
6	173.179	-0.179
7	173.179	-13.179





# Color

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.838
R Square	0.702
Adjusted R Square	0.536
Standard Error	26.359
Observations	7.000

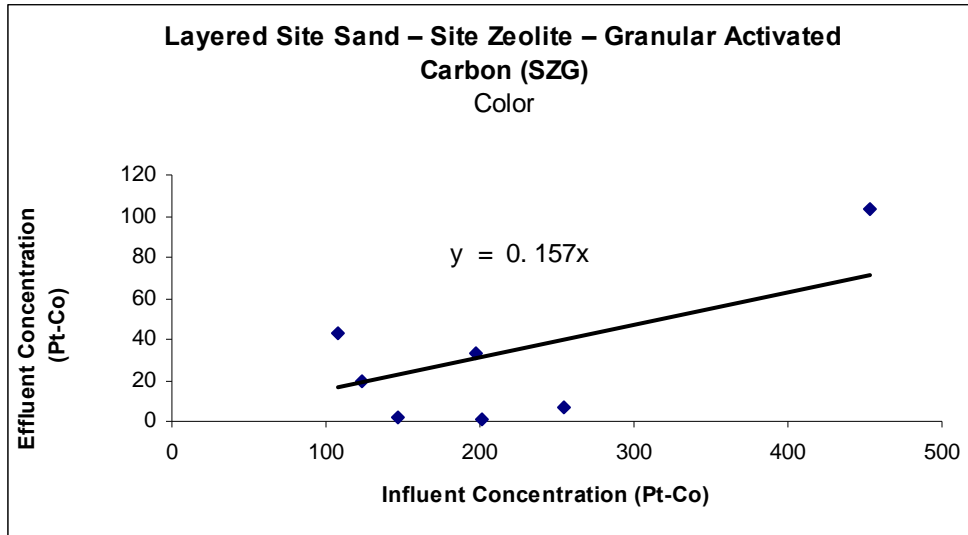
## ANOVA

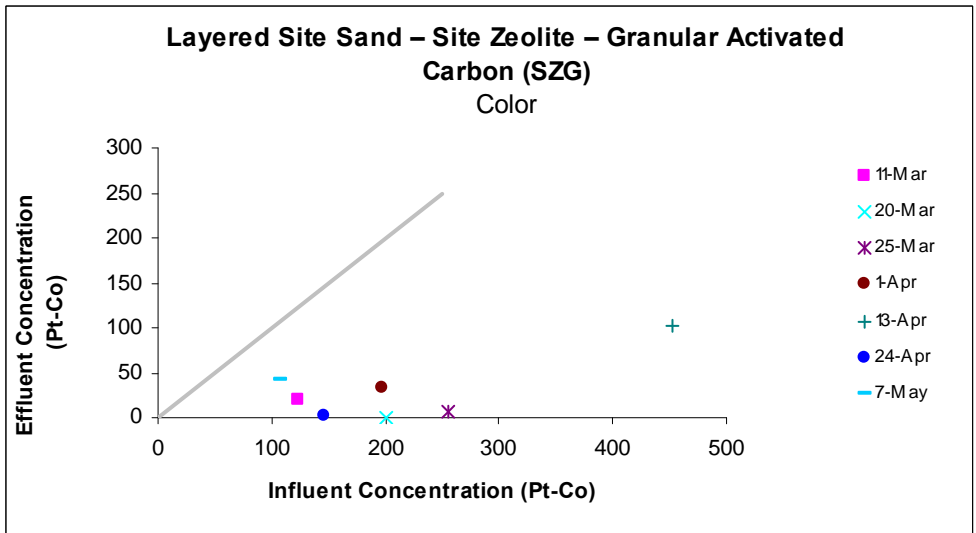
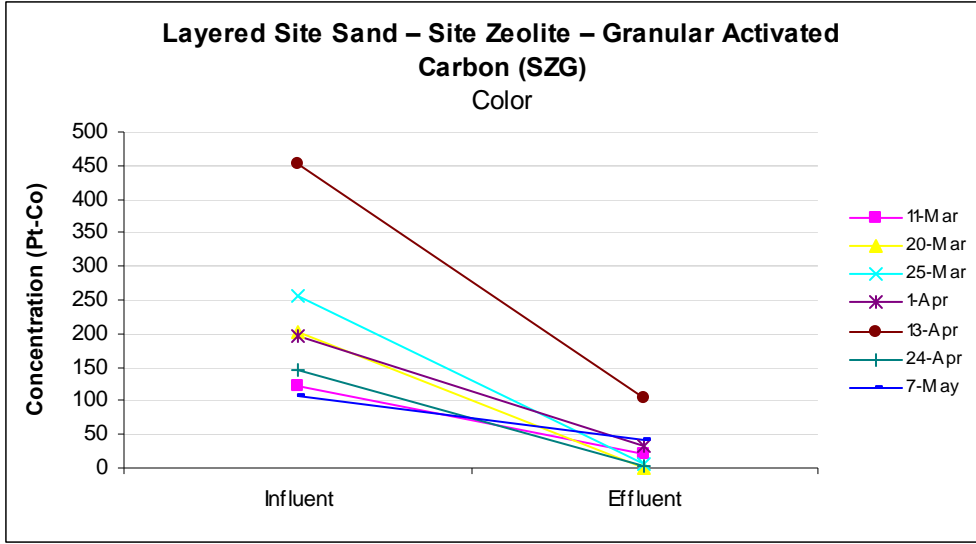
	df	SS	MS	F	Significance F
Regression	1.000	9832.327	9832.327	14.152	0.013
Residual	6.000	4168.673	694.779		
Total	7.000	14001.000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
XVariable 1	0.157	0.042	3.762	0.009	0.055	0.259	0.055	0.259

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	19.336	0.664
2	31.599	-30.599
3	40.088	-33.088
4	30.970	2.030
5	71.215	31.785
6	23.109	-21.109
7	16.978	26.022





# Fluoride

## SUMMARY OUTPUT

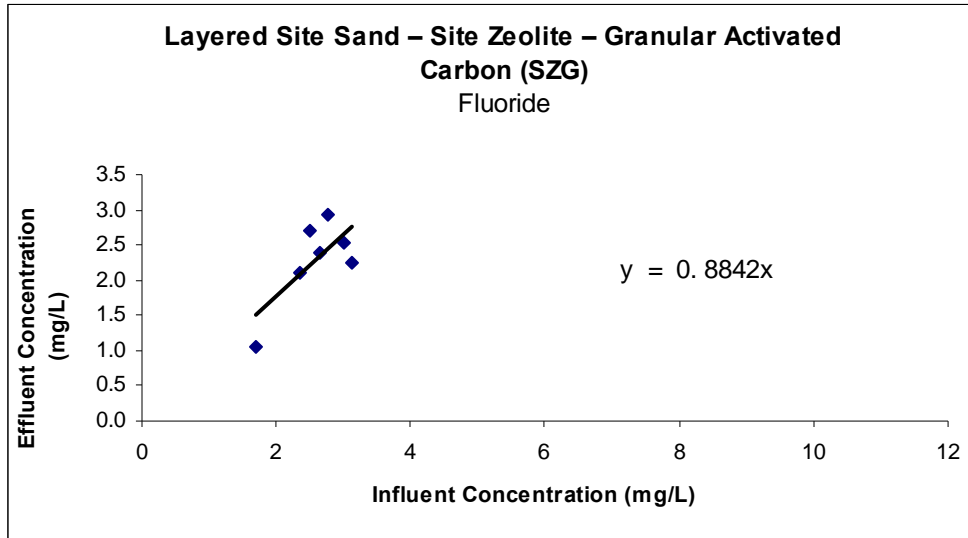
Regression Statistics	
Multiple R	0.987
R Square	0.975
Adjusted R Square	0.808
Standard Error	0.404
Observations	7.000

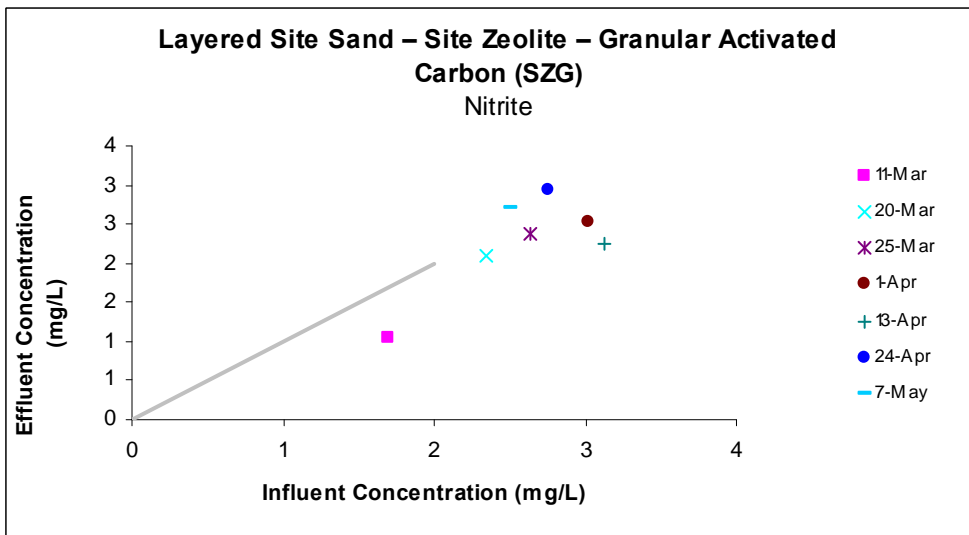
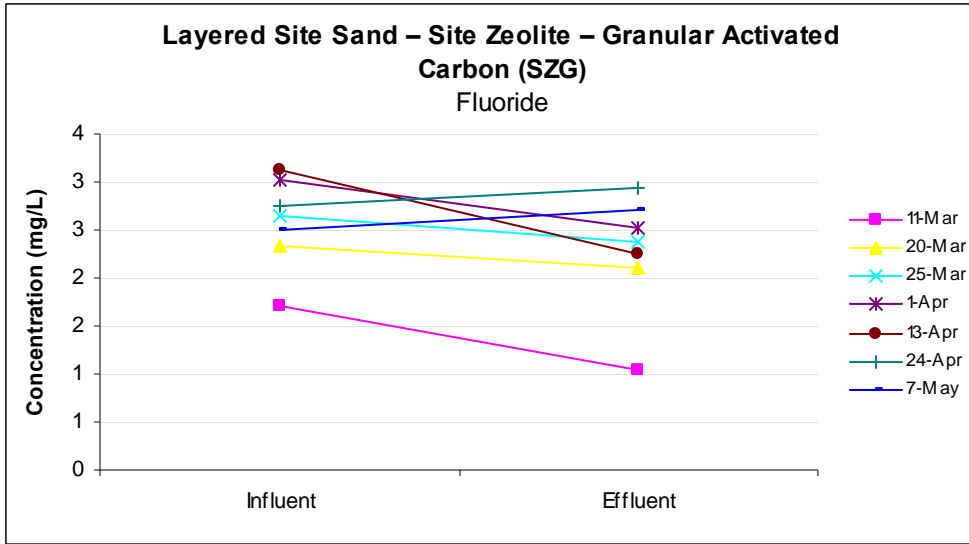
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	37.570	37.570	230.475	0.000
Residual	6.000	0.978	0.163		
Total	7.000	38.548			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	0.884	0.058	15.181	0.000	0.742	1.027	0.742	1.027

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	1.503	-0.463
2	2.069	0.031
3	2.334	0.046
4	2.670	-0.150
5	2.759	-0.499
6	2.440	0.500
7	2.210	0.490







# Sulfate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.675
R Square	0.455
Adjusted R Square	0.346
Standard Error	9.468
Observations	7.000

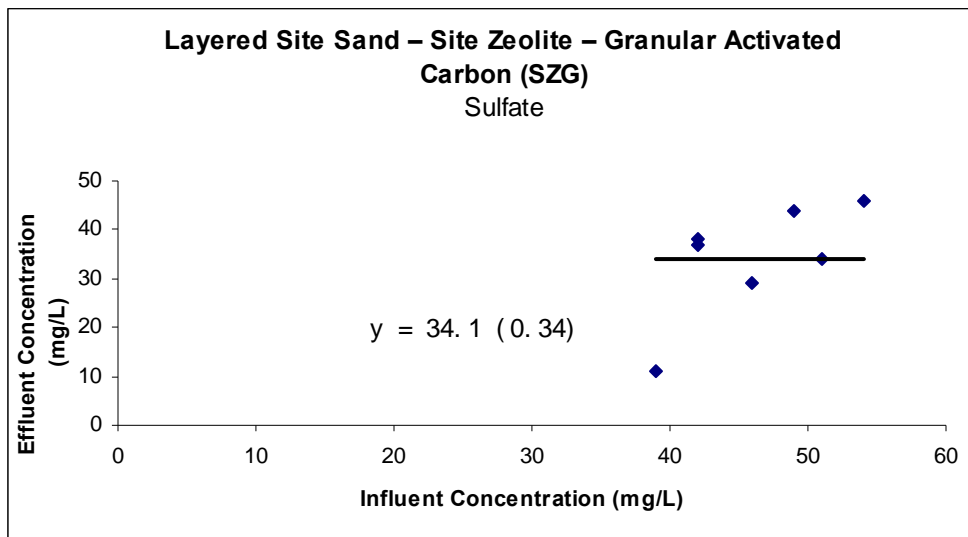
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	374.640	374.640	4.179	0.096
Residual	5.000	448.217	89.643		
Total	6.000	822.857			

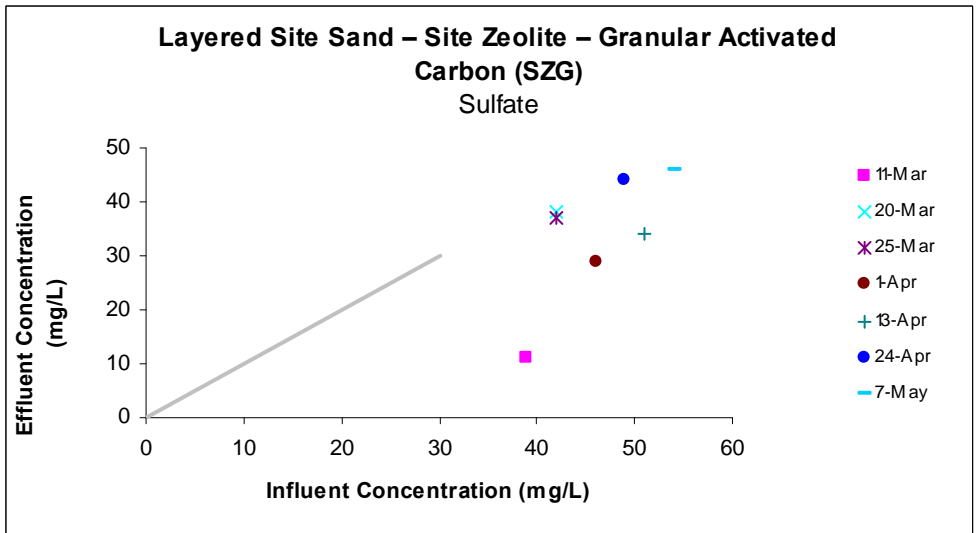
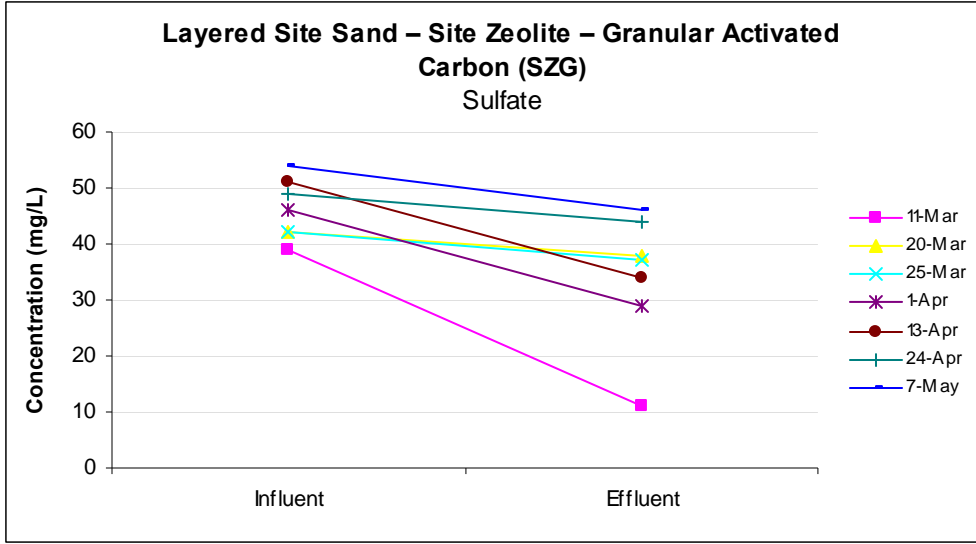
  

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-32.639	32.863	-0.993	0.366	-117.115	51.837	-117.115	51.837
X Variable 1	1.447	0.708	2.044	0.096	-0.373	3.267	-0.373	3.267

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	23.805	-12.805
2	28.147	9.853
3	28.147	8.853
4	33.936	-4.936
5	41.173	-7.173
6	38.278	5.722
7	45.514	0.486





# Phosphate

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.118
R Square	0.014
Adjusted R Square	-0.183
Standard Error	1.430
Observations	7.000

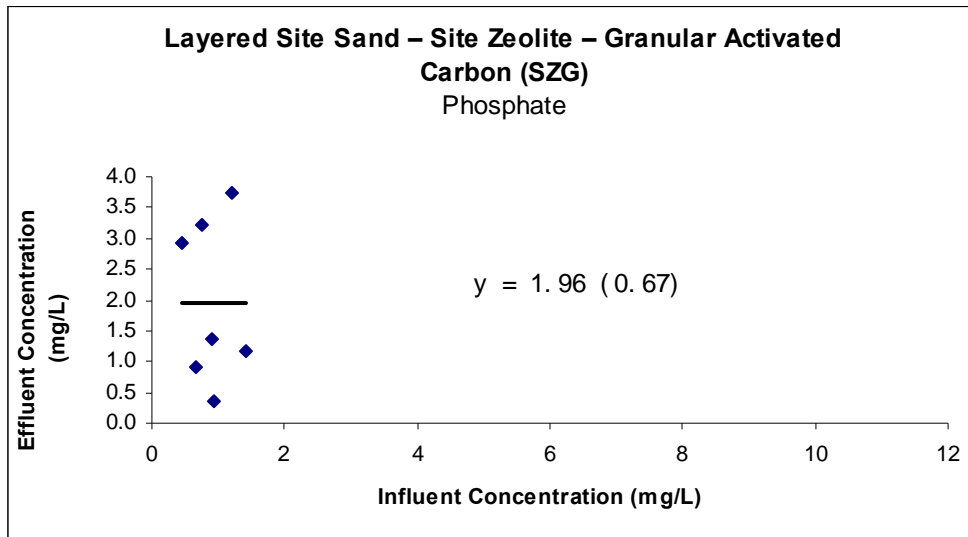
## ANOVA

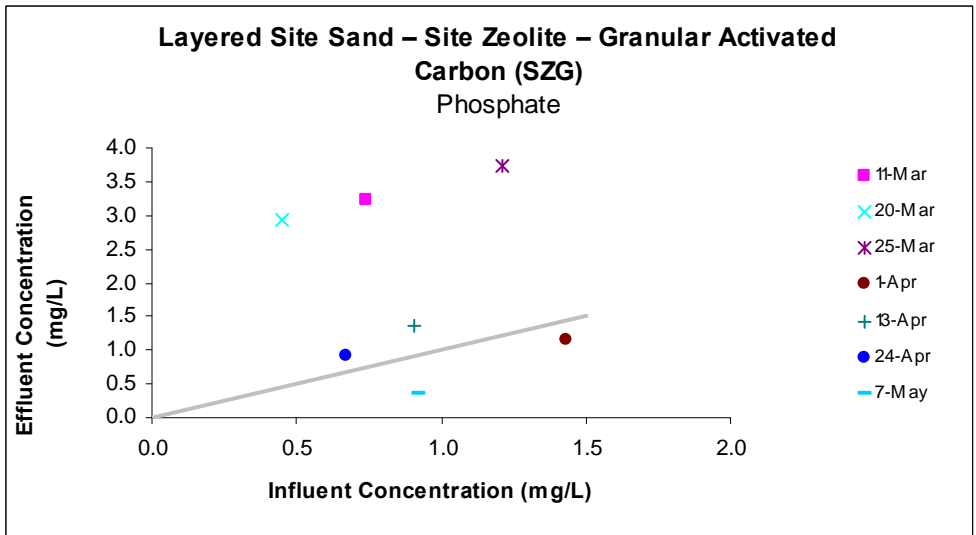
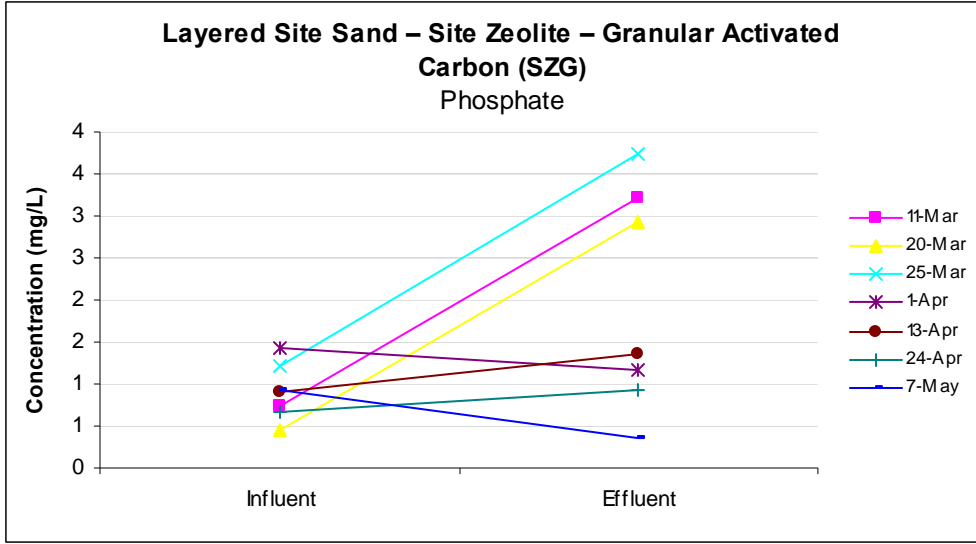
	df	SS	MS	F	Significance F
Regression	1.000	0.144	0.144	0.071	0.801
Residual	5.000	10.230	2.046		
Total	6.000	10.374			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	2.381	1.683	1.414	0.218	-1.946	6.708	-1.946	6.708
X Variable 1	-0.468	1.763	-0.266	0.801	-5.000	4.063	-5.000	4.063

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	2.034	1.186
2	2.170	0.770
3	1.814	1.926
4	1.711	-0.541
5	1.954	-0.594
6	2.067	-1.147
7	1.950	-1.600





# TN

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.427
R Square	0.183
Adjusted R Square	0.019
Standard Error	6.973
Observations	7.000

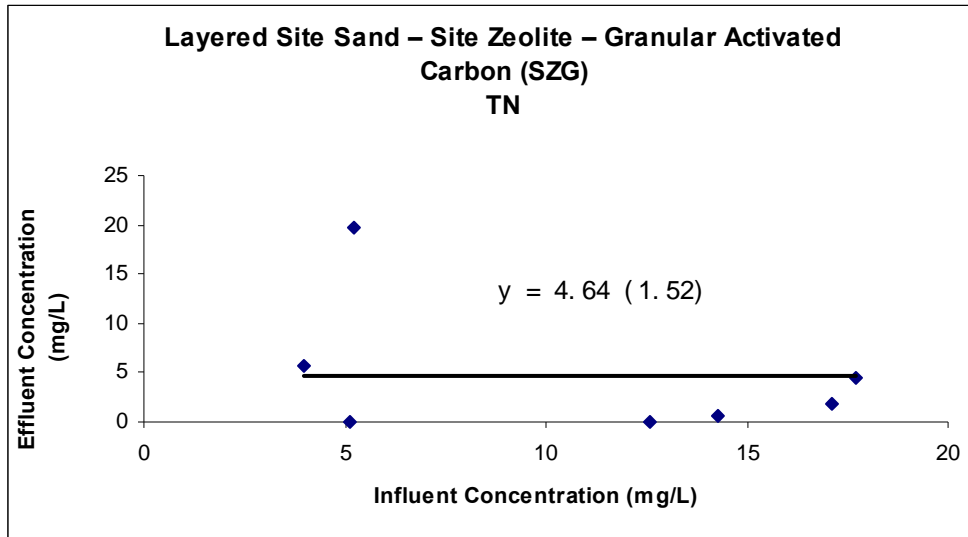
## ANOVA

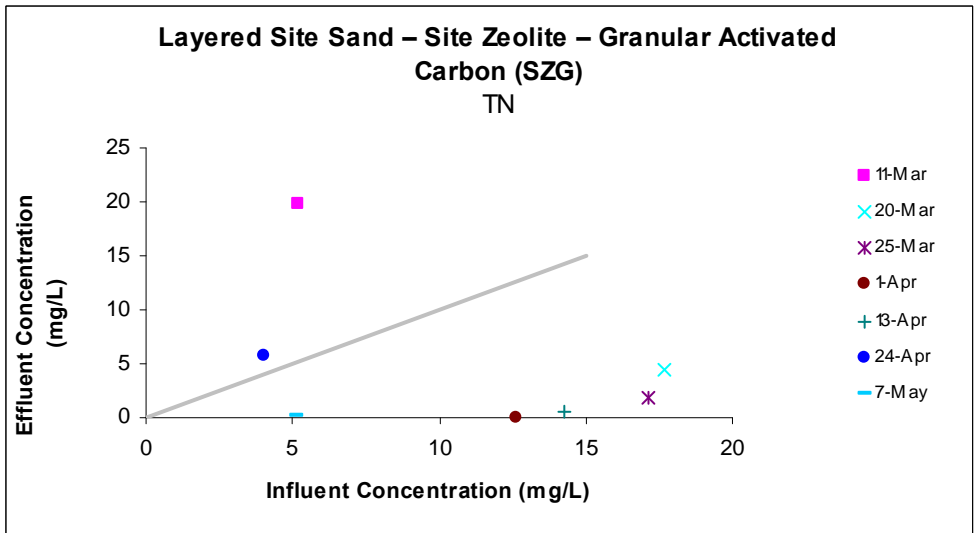
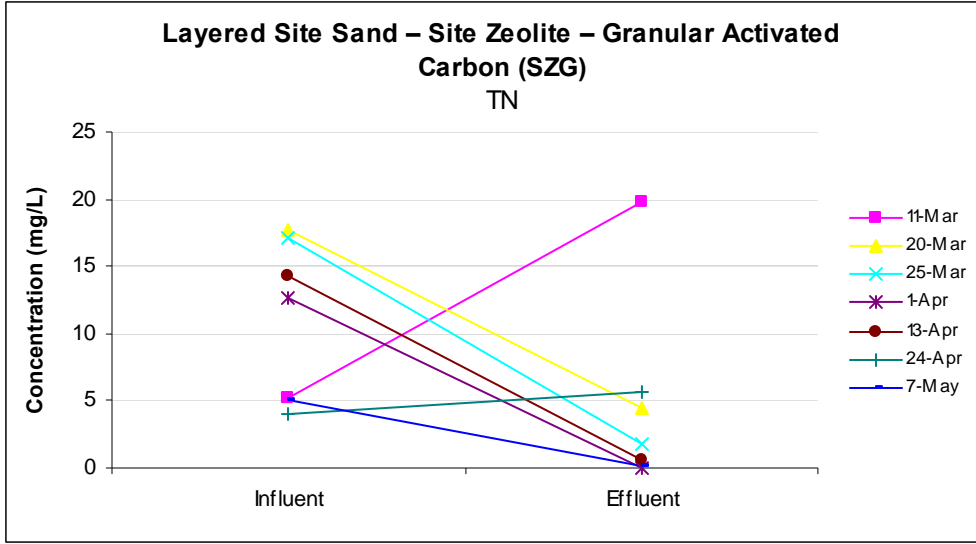
	df	SS	MS	F	Significance F
Regression	1.000	54.369	54.369	1.118	0.339
Residual	5.000	243.128	48.626		
Total	6.000	297.497			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	10.130	5.820	1.740	0.142	-4.831	25.091	-4.831	25.091
X Variable 1	-0.505	0.478	-1.057	0.339	-1.734	0.723	-1.734	0.723

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	7.502	12.298
2	1.185	3.315
3	1.488	0.312
4	3.762	-3.762
5	2.903	-2.303
6	8.108	-2.408
7	7.552	-7.452





# UV 254

## SUMMARY OUTPUT

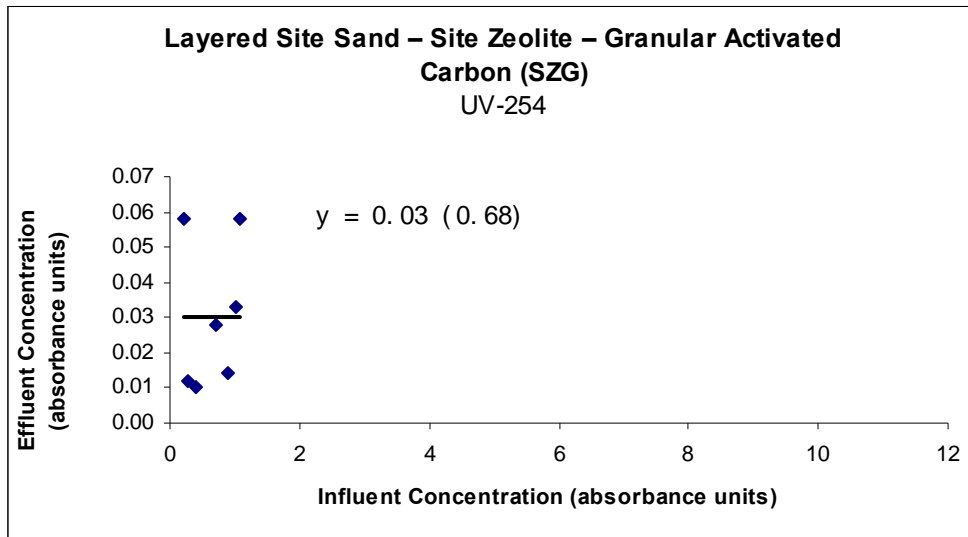
<i>Regression Statistics</i>	
Multiple R	0.203
R Square	0.041
Adjusted R Square	-0.151
Standard Error	0.022
Observations	7.000

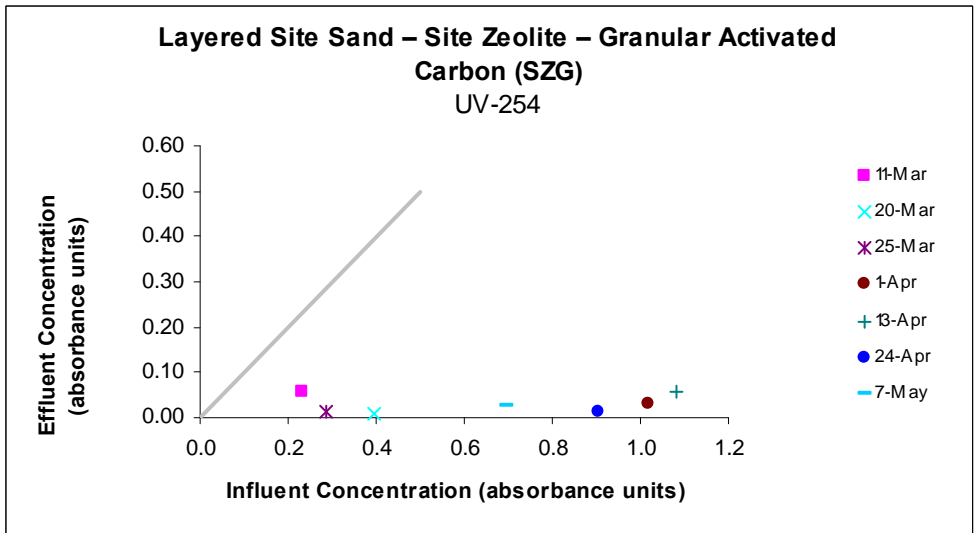
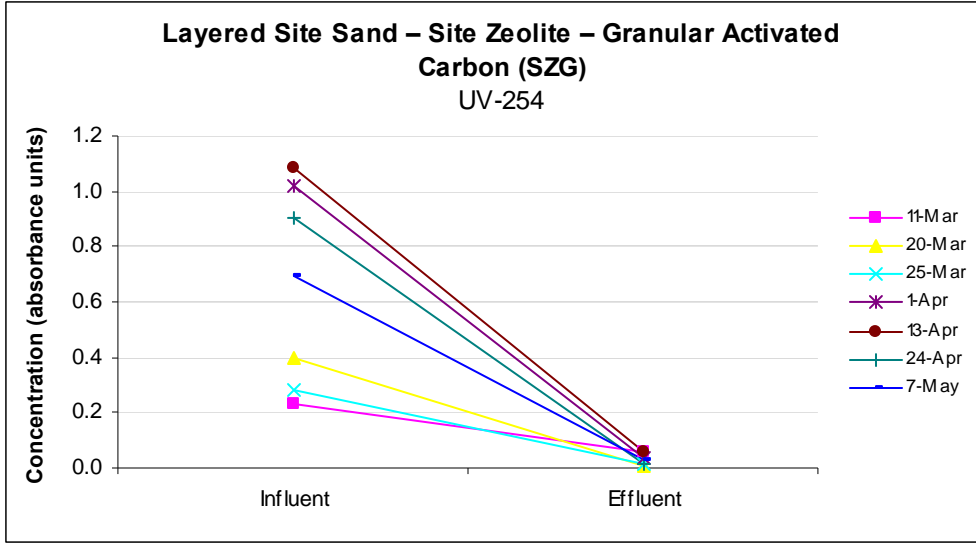
ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1.000	0.000	0.000	0.215	0.662
Residual	5.000	0.002	0.000		
Total	6.000	0.003			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0.023	0.019	1.216	0.278	-0.025	0.071	-0.025	0.071
X Variable 1	0.012	0.025	0.464	0.662	-0.053	0.077	-0.053	0.077

## RESIDUAL OUTPUT

<i>Observation</i>	<i>Predicted Y</i>	<i>Residuals</i>
1	0.025	0.033
2	0.027	-0.017
3	0.026	-0.014
4	0.035	-0.002
5	0.035	0.023
6	0.033	-0.019
7	0.031	-0.003







# Chloride

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.213
R Square	0.045
Adjusted R Square	-0.148
Standard Error	29.788
Observations	7.000

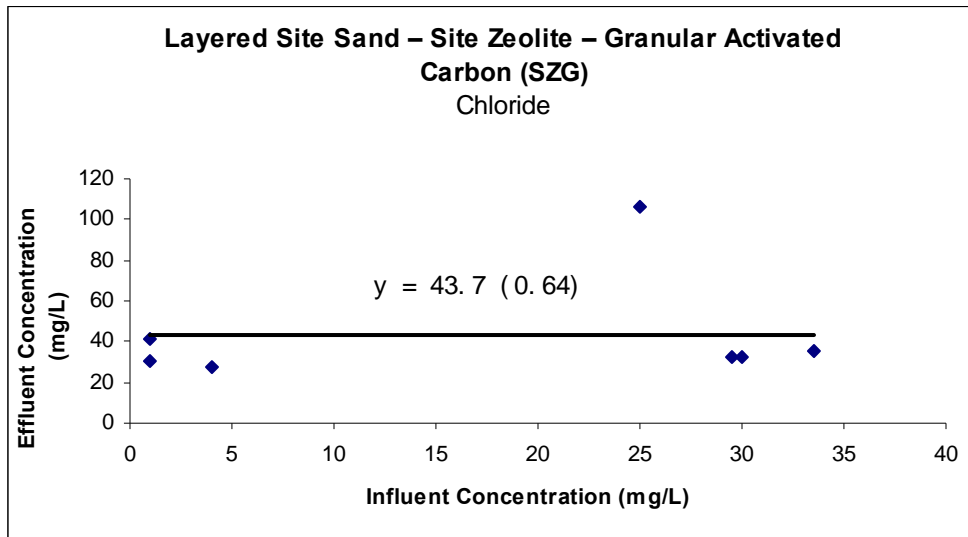
## ANOVA

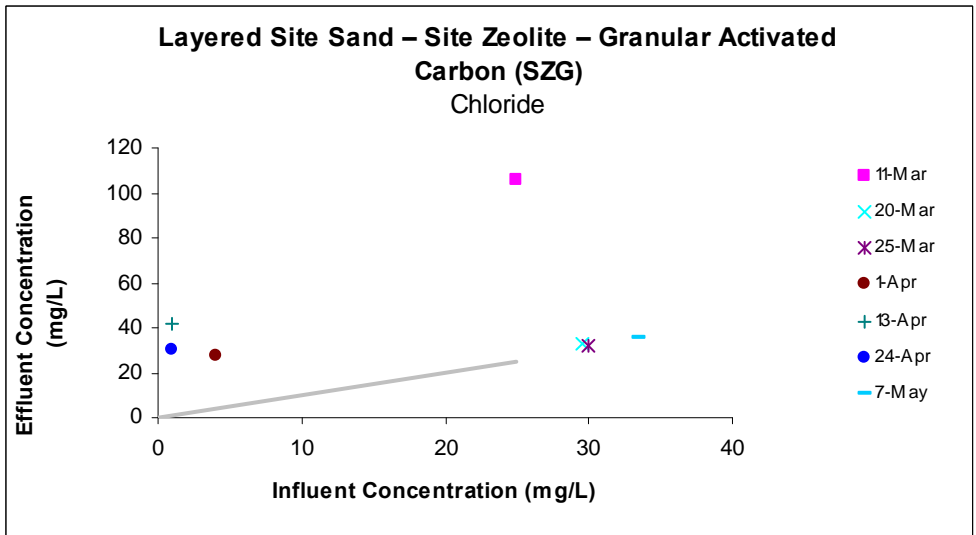
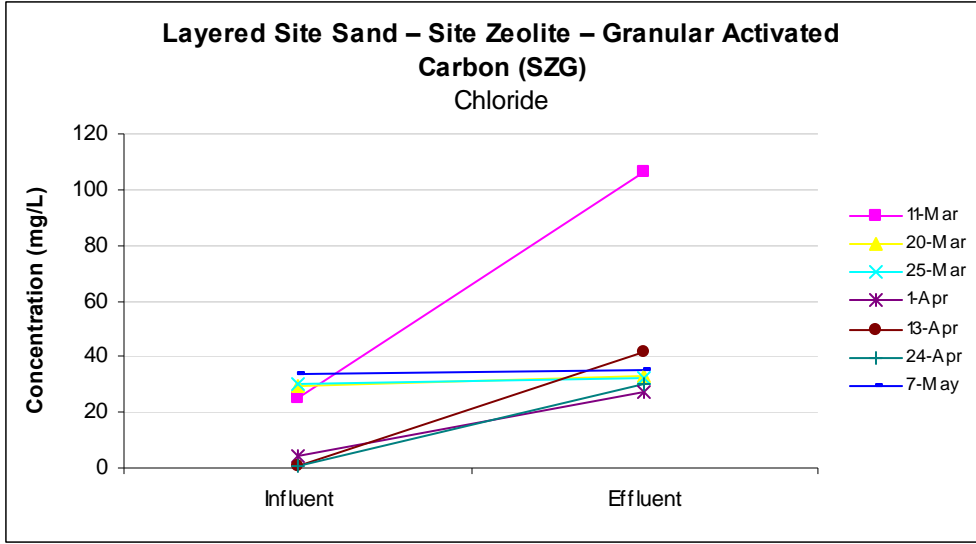
	df	SS	MS	F	Significance F
Regression	1.000	210.771	210.771	0.238	0.647
Residual	5.000	4436.068	887.214		
Total	6.000	4646.839			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	36.650	18.294	2.003	0.101	-10.376	83.677	-10.376	83.677
X Variable 1	0.397	0.814	0.487	0.647	-1.696	2.489	-1.696	2.489

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	46.569	59.431
2	48.355	-15.605
3	48.553	-16.553
4	38.237	-10.737
5	37.047	4.453
6	37.047	-6.547
7	49.942	-14.442





# Hardness

## SUMMARY OUTPUT

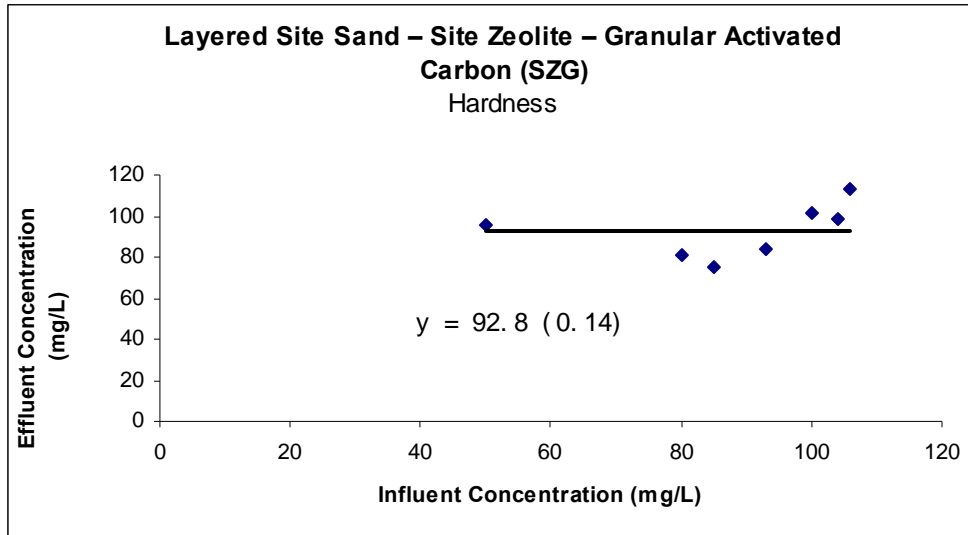
Regression Statistics	
Multiple R	0.354
R Square	0.125
Adjusted R Square	-0.050
Standard Error	13.735
Observations	7.000

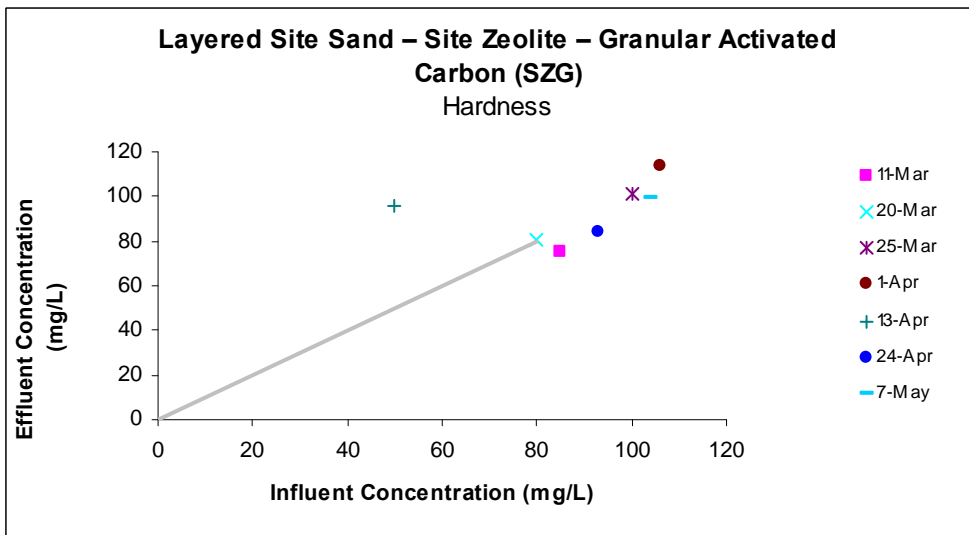
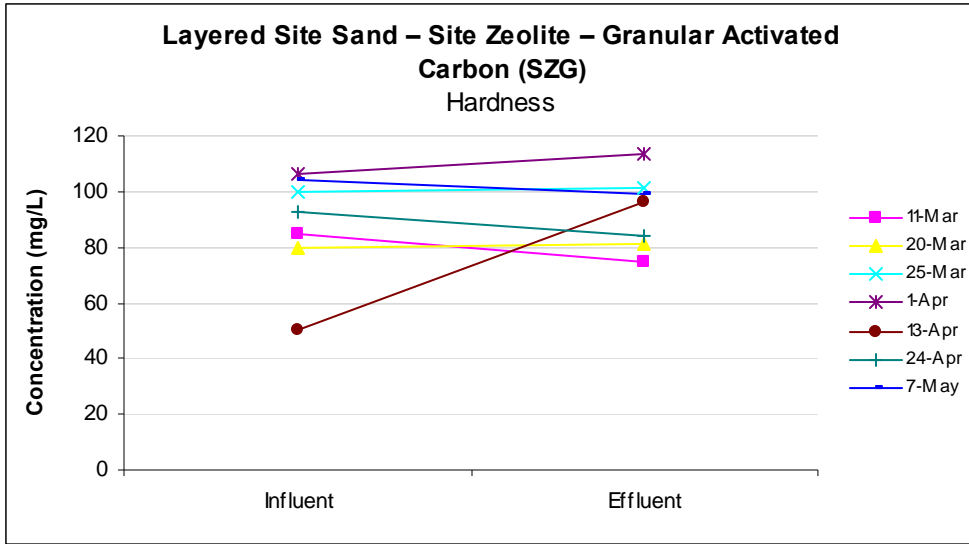
ANOVA					
	df	SS	MS	F	Significance F
Regression	1.000	134.711	134.711	0.714	0.437
Residual	5.000	943.218	188.644		
Total	6.000	1077.929			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	71.257	26.000	2.741	0.041	4.422	138.092	4.422	138.092
X Variable 1	0.244	0.289	0.845	0.437	-0.498	0.986	-0.498	0.986

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	91.984	-16.984
2	90.765	-9.765
3	95.642	5.358
4	97.105	16.395
5	83.450	12.550
6	93.935	-9.935
7	96.618	2.382





# NO2+NO3

## SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.562
R Square	0.316
Adjusted R Square	0.179
Standard Error	1.489
Observations	7.000

## ANOVA

	df	SS	MS	F	Significance F
Regression	1.000	5.124	5.124	2.312	0.189
Residual	5.000	11.082	2.216		
Total	6.000	16.206			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.200	3.907	-1.075	0.331	-14.242	5.843	-14.242	5.843
X Variable 1	0.977	0.643	1.520	0.189	-0.675	2.629	-0.675	2.629

## RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	0.705	-0.382
2	2.294	-0.879
3	2.781	-1.758
4	0.621	-0.006
5	1.201	-0.594
6	1.390	1.521
7	2.753	2.099

