

## Attachment 2 (Appendix 2B-5)

### Multivariate Regression Analysis of "F" Transect Mosquitofish THg versus Surface Water, Pore Water, and Soils Chemistries along the "F" Transect in WCA-2A by Station and Pooled

MULTIVARIATE  
SURFACE WATER  
MOSQUITOFISH THg vs Y  
BY STATION  
LAG 0

Num In Model	RSquare	Intercept	ALK_0	CA_0	CL_0	DOC_0	SIO2_0	SO4_0	TKN_0	TPO4_0
1	0.0702	-5.01563						0.94924		
1	0.0315	102.5		-0.63862						
1	0.0182	20.341			0.19783					
1	0.015	78.4779	-0.1044							
1	0.0019	38.0483							4.70487	
1	0.0005	54.7679				-0.09157				
1	0.0001	53.1392					-0.12434			
1	0	50.6772								-0.78394
2	0.1434	59.9067		-1.02285				1.2586		
2	0.0929	78.1675		-1.11562	0.41178					
2	0.0895	-36.6617			0.20374			0.95678		
2	0.0892	24.7017	-0.11765					0.97748		
2	0.0828	49.775	-0.27027		0.4762					
2	0.0761	-29.222						0.98322	8.30022	
2	0.074	9.95691					-0.87225	0.9929		
2	0.0712	0.52127				-0.1279		0.95314		
2	0.0707	-4.73593						0.95592		-14.1403
2	0.0592	77.0905		-1.02411					21.1907	
2	0.0433	47.9788	-0.23196						24.1062	
2	0.0328	94.6019		-0.67369			0.5346			
2	0.0325	102.816	0.04441	-0.78834						
2	0.0318	100.289		-0.65519		0.07888				
2	0.0315	102.482		-0.63865						0.4177
2	0.0223	32.0428			0.28326				-9.2612	
2	0.0215	32.7461			0.22735		-0.84208			
2	0.0209	27.4094			0.21324	-0.20918				
2	0.0201	15.743			0.21907					28.3287
2	0.0163	70.7887	-0.11578				0.53358			
2	0.0157	80.4352	-0.10883							-16.3068
2	0.0151	77.5527	-0.10592			0.02956				
2	0.0027	42.2277				-0.11192			5.02847	

2	0.0021	41.5911				-0.20126		4.89266	
2	0.002	37.9175						4.84512	-5.15444
2	0.0006	56.4894				-0.08878	-0.09191		
2	0.0005	54.7561				-0.09204			0.69442
2	0.0001	54.7825					-0.19307		-5.51667
3	0.2437	20.5292		-1.71295	0.53552			1.48713	
3	0.2374	-5.17229		-1.91819				1.70054	41.8016
3	0.1663	-9.35494	-0.29573		0.50884			1.03903	
3	0.1651	55.0816	0.21979	-1.82147				1.4474	
3	0.1445	55.9834		-1.05249		0.13409		1.26348	
3	0.1441	60.3267		-1.02431				1.26686	-16.5576
3	0.1435	60.973		-1.01852			-0.07814	1.26121	
3	0.143	-28.5135	-0.30051					1.16091	34.0847
3	0.103	-16.2175			0.26569		-1.75161	1.04673	
3	0.1024	71.6988		-1.19309	0.47508				64.5936
3	0.0993	73.663	-0.12428	-0.7676	0.47304				
3	0.0939	74.4213		-1.16298	0.37559				4.90749
3	0.0936	83.1289		-1.10342	0.42275		-0.37972		
3	0.0933	-28.6783			0.22229	-0.25095		0.96511	
3	0.093	78.9428		-1.11075	0.41308	-0.03042			
3	0.0919	27.664	-0.12681					0.99514	-32.7755
3	0.0901	-31.5185			0.23556			0.94379	-3.45833
3	0.09	-38.6241			0.21453			0.95036	14.4468
3	0.0894	27.4031	-0.11296				-0.22643	0.98768	
3	0.0892	24.5175	-0.11796				0.00608	0.97737	
3	0.0857	41.8241	-0.29858		0.4248				8.73282
3	0.0845	45.4073	-0.26981		0.49568				26.6043
3	0.0829	51.1915	-0.26831		0.47774	-0.04822			
3	0.0828	51.1929	-0.26874		0.47839		-0.10757		
3	0.0815	-14.5586					-1.05788	1.04108	9.49886
3	0.0791	23.5668					-1.60196	1.05528	-54.7969
3	0.0778	-23.5475				-0.16495		0.99031	8.80305
3	0.0774	-30.7244						0.99673	8.97003
3	0.0746	13.8282				-0.10411	-0.83521	0.99422	-22.8018
3	0.0716	0.41292				-0.11979		0.95868	-12.2547
3	0.0617	72.4757	-0.08108	-0.81201					24.5581
3	0.0608	68.3756		-1.06411			0.58171		21.2918
3	0.06	77.0506		-1.03543					21.8781
3	0.0597	74.37		-1.0451			0.09428		-18.5707
3	0.0533	48.4299	-0.28306						21.2559
3	0.0473	32.4377	-0.25994				0.95091		30.2425
3	0.0436	45.1689	-0.23727				0.08134		-68.4369
3	0.0336	89.738		-0.69279				0.80587	25.5589
3	0.0334	96.0941	0.03333	-0.7805				0.44965	24.315
3	0.0331	92.7775		-0.68791					20.2735
3	0.0327	100.922	0.04219	-0.79493			0.07154	0.52237	
3	0.0326	102.524	0.05063	-0.80983			0.06699		
3	0.0318	100.308		-0.65526			0.07946		7.96134
3	0.0306	31.1			0.411				-0.82738
3	0.0268	48.6781			0.33194		-1.00368		-17.4525
									-10.7252

3	0.0252	39.8389			0.30219	-0.21953			-9.56013
3	0.0239	39.06			0.24103	-0.19984	-0.81227		
3	0.0237	23.0134			0.24284	-0.24958			35.4961
3	0.0218	28.4577			0.23193		-0.69439		13.016
3	0.0164	72.6045	-0.11582				0.45817		-6.07297
3	0.0164	69.9996	-0.11709			0.0262	0.53144		
3	0.0158	79.075	-0.11163			0.04794			-17.4756
3	0.0028	44.9894				-0.10745	-0.16638		5.17079
3	0.0027	42.0572				-0.10983			5.12146
3	0.0026	44.8144					-0.40706		5.51282
3	0.0006	57.1106				-0.0862	-0.1229		-2.4119
4	0.2694	-7.10078		-2.04454	0.3603			1.68748	26.023
4	0.2534	37.2185		-1.69343	0.58429		-1.48573	1.55739	
4	0.2522	14.6265		-1.78395	0.59478			1.48205	60.905
4	0.2469	-8.37503		-1.98943				1.76399	44.8718
4	0.2444	20.9781	0.0441	-1.84836	0.51625			1.51679	
4	0.2437	20.4719		-1.71331	0.53543	0.00219		1.48717	
4	0.2393	-10.9291		-1.96401		0.18404		1.70977	42.0407
4	0.2383	-3.54055	0.04854	-2.05747				1.72392	40.069
4	0.2376	-2.49154		-1.90811			-0.20252	1.70785	41.855
4	0.1801	-32.244	-0.36099		0.39728			1.13017	19.4432
4	0.1707	-35.9427	-0.39456					1.28527	45.5653
4	0.1706	1.2668	-0.28247		0.53106		-1.01494	1.08746	
4	0.168	65.6927	0.24601	-1.87131			-0.81974	1.49721	
4	0.1666	-7.14185	-0.29258		0.51141	-0.07871		1.04076	
4	0.1666	-10.9247	-0.29541		0.51699			1.0339	11.3385
4	0.1657	54.41	0.23235	-1.86575				1.45042	15.6006
4	0.1655	52.7704	0.21719	-1.82994		0.08094		1.44812	
4	0.1454	56.0634		-1.05719		0.1478		1.27344	-18.9615
4	0.1448	67.0803		-0.99915			-0.47269	1.28854	-28.4948
4	0.1445	57.3574		-1.04708		0.13571	-0.10415	1.26701	
4	0.1433	-31.0705	-0.30536			0.07466		1.16057	34.2734
4	0.1432	-31.3698	-0.30613				0.20702	1.15291	34.3322
4	0.1063	-9.08784			0.28201	-0.23497	-1.72202	1.05302	
4	0.106	69.1556	-0.09513	-0.91586	0.51312				55.5589
4	0.1052	-6.20473			0.25448		-2.19207	1.08529	-35.8641
4	0.1044	-7.10099			0.31955		-1.82066	1.0293	-5.58815
4	0.1034	63.1083		-1.22687	0.47204		0.55568		77.8743
4	0.103	73.8934		-1.18064	0.48149	-0.09538			66.9543
4	0.1028	73.6318		-1.16815	0.5085				-3.52612
4	0.1027	65.435	-0.15266	-0.77912	0.41749				9.4312
4	0.0995	76.2433	-0.121	-0.77071	0.47687		-0.1884		
4	0.0993	73.9631	-0.12403	-0.76646	0.47341	-0.01142			
4	0.0947	41.1256	-0.11318				-0.9591	1.05041	-55.1133
4	0.0944	-30.9113			0.24078	-0.27592		0.95604	22.2877
4	0.0943	78.7729		-1.14744	0.38875		-0.29671		4.28545
4	0.094	74.9123		-1.15958	0.37681	-0.01732			4.84247
4	0.0939	-22.9765			0.25714	-0.25441		0.95111	-3.75976
4	0.0936	83.8115		-1.09902	0.42388	-0.02797	-0.37739		
4	0.0926	-3.52411				-2.25431	1.15638	13.3285	-84.223

4	0.092	26.5066	-0.12921		0.04118		0.99493		-33.7761
4	0.0918	-29.9653			0.29704		0.91416	-7.48685	32.6701
4	0.0894	27.1889	-0.11332			0.00727	-0.22694	0.98758	
4	0.0858	41.5583	-0.29416		0.43909				7.41594 8.92182
4	0.0858	39.9542	-0.30137		0.42039		0.11833		9.07347
4	0.0857	42.546	-0.29738		0.42609	-0.02143			8.63145
4	0.0848	47.4344	-0.26643		0.50006	-0.08235			28.9907
4	0.0847	40.7622	-0.27365		0.49449		0.27671		32.6818
4	0.083	52.5748	-0.26682		0.47988	-0.0479	-0.10566		
4	0.0827	-10.3132				-0.14056	-1.01531	1.04479	9.8791
4	0.0793	24.9173				-0.04842	-1.56061	1.05383	
4	0.0788	-25.3058				-0.15363		1.00213	9.37892 -20.7784
4	0.0656	69.2528	-0.13603	-0.69544					28.49 -44.576
4	0.0651	57.8325	-0.10927	-0.79812			0.87033		25.88
4	0.0626	68.6529	-0.08673	-0.82425		0.12134			24.8764
4	0.0612	66.1025		-1.08233		0.08637	0.56708		21.3489
4	0.0608	69.5206		-1.06234			0.50445		21.4933 -5.80772
4	0.0607	73.8981		-1.06083		0.10911			22.0215 -20.4048
4	0.055	42.4486	-0.29887			0.17427			31.2222 -74.3744
4	0.0535	44.361	-0.28603				0.24665		30.1039 -62.6887
4	0.0476	29.7812	-0.26496			0.0784	0.94773		25.7553
4	0.0366	42.4821			0.4656	-0.32602			-19.5948 84.0017
4	0.0345	90.3777	0.04597	-0.84566			0.76782		26.1853
4	0.0337	88.7278		-0.70217		0.05494	0.77468		18.644
4	0.0336	94.3789	0.03137	-0.78688		0.0638	0.44376		
4	0.0328	100.854	0.0475	-0.81199		0.06092			6.54085
4	0.0312	38.4025			0.41151		-0.4315		-16.7724 58.4531
4	0.0295	55.6727			0.3487	-0.20985	-0.97607		-10.9706
4	0.0248	32.4683			0.25104	-0.2288	-0.54943		22.7832
4	0.0164	71.9396	-0.11756			0.03448	0.43983		-7.32309
4	0.0031	47.1822				-0.09576	-0.33379		5.63357 -12.5098
5	0.2749	7.70258		-2.00542	0.41044		-1.13862	1.72673	24.127
5	0.2697	-9.51165		-2.06201	0.35475	0.07802		1.69159	26.3674
5	0.2695	-7.71344	-0.01745	-1.99617	0.36517			1.67889	26.4327
5	0.2694	-6.84045		-2.04143	0.37188			1.68067	25.2068 6.25619
5	0.256	40.1127	0.08485	-1.9516	0.55314		-1.66649	1.623	
5	0.2557	12.0172		-1.95673			-1.72051	1.87323	47.6081 -108.394
5	0.2554	28.6733		-1.74134	0.60457		-1.0358	1.53311	36.0221
5	0.2546	14.7199	0.0823	-2.04561	0.56629			1.53676	68.5852
5	0.2534	36.8829		-1.69566	0.58378	0.01338	-1.48706	1.5577	
5	0.2523	16.0182		-1.77584	0.59861	-0.05845		1.48084	62.3547
5	0.2502	-15.9861		-2.05321		0.23611		1.78029	45.3944 -66.5355
5	0.2473	-9.81296	-0.03337	-1.90072				1.75418	46.366 -68.3012
5	0.2444	21.082	0.04418	-1.84795	0.51637	-0.00393		1.51677	
5	0.24	-9.18629	0.0409	-2.07843		0.17227		1.72888	40.5656
5	0.2396	-7.88058		-1.95304		0.18783	-0.23928	1.71859	42.1087
5	0.2389	2.02092	0.06255	-2.0785			-0.38458	1.74454	39.6704
5	0.1853	-35.1839	-0.39493		0.29881			1.20248	29.0441 -60.4029
5	0.1816	-23.8391	-0.34751		0.42006		-0.62468	1.15254	17.8569
5	0.1801	-31.5267	-0.3598		0.39855	-0.02129		1.13016	19.3425

5	0.18	-14.4239	-0.38345				-1.77125	1.40259	47.9592	-161.751
5	0.1736	-44.3065	-0.416			0.2291		1.2929	46.9443	-124.208
5	0.1711	5.76477	-0.28019		0.52373		-1.22494	1.105		-16.6154
5	0.171	3.41552	-0.27941		0.53354	-0.07706	-1.01322	1.08908		
5	0.1685	63.3167	0.2435	-1.88101		0.08738	-0.82893	1.49855		
5	0.1681	66.7535	0.24395	-1.86068			-0.88461	1.50016		-5.13346
5	0.1671	-8.63029	-0.29153		0.52206	-0.09511		1.03476		14.082
5	0.1659	52.5381	0.2289	-1.86837		0.06794		1.45072		14.0178
5	0.1464	63.7802		-1.03074		0.16763	-0.58016	1.30093		-33.9352
5	0.1435	-33.8671	-0.31087			0.07407	0.20415	1.15268	34.516	
5	0.1078	0.58359			0.33863	-0.23969	-1.79359	1.03493	-5.84048	
5	0.1075	-2.54317			0.27122	-0.2015	-2.05881	1.08123		-27.0798
5	0.1072	59.5429	-0.09827	-0.94418	0.511		0.61637			69.992
5	0.1063	70.8854	-0.09251	-0.91409	0.51692	-0.07213				57.5934
5	0.1061	67.721	-0.10453	-0.90374	0.49641				2.15854	50.0289
5	0.1053	-4.27425			0.28014		-2.1328	1.0699	-2.42715	-28.596
5	0.1042	64.7927		-1.21568	0.47938	-0.11413	0.61658			82.1547
5	0.104	64.7744		-1.20027	0.51048		0.59248		-4.07707	87.5131
5	0.1036	76.9161		-1.14537	0.52633	-0.11782			-4.57187	77.332
5	0.1027	64.8609	-0.15334	-0.78111	0.41634	0.01883			9.52206	
5	0.1027	64.6398	-0.15394	-0.77848	0.41566		0.04909		9.57195	
5	0.0995	76.5171	-0.12078	-0.76964	0.4772	-0.0107	-0.18786			
5	0.0973	-18.8255			0.34976	-0.31203		0.91047	-9.57736	46.6254
5	0.0949	39.6895	-0.11676			0.07139	-0.99974	1.0524		-57.7943
5	0.0943	79.2543		-1.1441	0.38995	-0.01707	-0.29652		4.22172	
5	0.0928	-1.79382				-0.06753	-2.20033	1.15493	13.4039	-81.8629
5	0.086	37.5019	-0.29711		0.43908		0.2459		7.2782	14.6512
5	0.0859	42.8444	-0.29065		0.44552	-0.0404			6.85436	11.4318
5	0.0858	40.68	-0.30017		0.42169	-0.02073	0.11659		8.9704	
5	0.0852	42.235	-0.27052		0.49918	-0.09203	0.32393			36.3861
5	0.0674	63.1989	-0.15172	-0.69775		0.1784			29.4872	-50.575
5	0.0665	61.3739	-0.13685	-0.72137			0.52466		28.1299	-31.4593
5	0.0659	54.2166	-0.11456	-0.81011		0.11798	0.86432		26.1804	
5	0.0614	67.6275		-1.08134		0.09443	0.4485		21.6601	-8.81061
5	0.055	40.1537	-0.30021			0.16924	0.14958		31.1099	-70.7169
5	0.0367	45.4261			0.46438	-0.31736	-0.19182		-19.2356	78.674
5	0.0346	89.6424	0.04411	-0.84607		0.03858	0.74745			24.8021
6	0.2765	11.4812		-2.01008	0.35845		-1.55049	1.78213	28.383	-37.877
6	0.2753	5.23318		-2.0235	0.4048	0.08119	-1.14164	1.73111	24.4804	
6	0.275	8.92906	0.01804	-2.05385	0.40742		-1.18424	1.73717	23.6275	
6	0.2699	-10.3502	-0.02018	-2.00703	0.36008	0.08223		1.68189	26.8598	
6	0.2697	-9.28602		-2.05985	0.36	0.07435		1.68847	25.9999	2.69276
6	0.2695	-7.46604	-0.01439	-2.00299	0.37054			1.67674	25.9222	3.36238
6	0.2611	4.72877		-2.03591		0.30898	-1.94591	1.90887	48.6505	-120.172
6	0.2587	30.5755	0.09595	-2.04094	0.5726		-1.16804	1.60341		41.7989
6	0.256	40.0358	0.08479	-1.95192	0.55305	0.00299	-1.66666	1.62303		
6	0.2559	10.8211	-0.02418	-1.89269			-1.70752	1.8653	48.6703	-112.493
6	0.2555	29.0885		-1.73834	0.60614	-0.02615	-1.0205	1.53181		37.0384
6	0.255	16.5913	0.08519	-2.0439	0.57043	-0.07846		1.53705		70.8007
6	0.2511	-19.1674	-0.05561	-1.91195		0.26046		1.76562	47.9384	-77.2145

6	0.2406	-3.50822	0.05528	-2.10044		0.17445	-0.39758	1.75025	40.1597	
6	0.1933	-15.2213	-0.38458		0.28573		-1.64589	1.31512	31.992	-105.245
6	0.1857	-38.4636	-0.40322		0.28385	0.0888		1.20958	30.406	-66.3285
6	0.1849	-22.9096	-0.41035			0.30132	-1.97823	1.42633	50.0526	-177.722
6	0.1817	-22.9663	-0.34606		0.42163	-0.02505	-0.62683	1.15262	17.733	
6	0.1713	6.77299	-0.27814		0.52676	-0.06031	-1.19214	1.10364		-14.1271
6	0.1686	64.864	0.23978	-1.86408		0.09626	-0.93928	1.50366		-8.65723
6	0.108	1.31898			0.31926	-0.22237	-1.93807	1.05306	-4.37892	-13.057
6	0.1077	61.0075	-0.09517	-0.94409	0.51567	-0.09163	0.66336			73.6767
6	0.1073	58.6154	-0.10536	-0.93449	0.49834		0.60594		1.64021	65.5458
6	0.1063	69.8815	-0.09817	-0.90731	0.50693	-0.06462			1.23953	54.2061
6	0.105	67.432		-1.17747	0.53238	-0.14272	0.68081		-5.42588	96.0543
6	0.1027	64.0345	-0.15466	-0.78048	0.41445	0.0191	0.05051		9.6682	
6	0.0861	38.6298	-0.29309		0.44711	-0.05041	0.2748		6.56129	18.4563
6	0.068	57.2343	-0.15114	-0.71879		0.16407	0.42956		29.1123	-39.354
7	0.2777	8.00919		-2.04451	0.33362	0.14876	-1.67079	1.80559	30.2165	-48.4314
7	0.2765	11.1499	-0.00672	-1.99221	0.35785		-1.54716	1.78007	28.7101	-39.133
7	0.2754	6.36954	0.01533	-2.06397	0.40245	0.07809	-1.1803	1.73982	24.0424	
7	0.2699	-10.6453	-0.02247	-2.00269	0.35604	0.08596		1.68355	27.2411	-2.38367
7	0.2619	1.67607	-0.05123	-1.90589		0.33098	-1.93443	1.8946	50.9748	-129.692
7	0.2588	31.3189	0.09732	-2.04005	0.57485	-0.04512	-1.14353	1.60218		43.6349
7	0.1947	-19.8436	-0.39938		0.25656	0.16702	-1.77342	1.33721	34.7822	-119.865
7	0.1077	60.7945	-0.09662	-0.94221	0.5131	-0.0896	0.66029		0.31943	72.7294
8	0.2778	6.71434	-0.02112	-1.99081	0.32993	0.15961	-1.6691	1.80085	31.3787	-53.1506

LAG 1

Number In Model	RSquare	Intercept	ALK_1	CA_1	CL_1	DOC_1	SIO2_1	SO4_1	TKN_1	TPO4_1
1	0.1567	118.177		-0.9632						
1	0.119	57.9576								-473.73
1	0.0774	96.9101	-0.2063							
1	0.049	65.0718						-0.4775		
1	0.0428	97.3937				-1.3773				
1	0.0339	82.02			-0.2769					
1	0.0234	64.0544					-1.1876			
1	0.019	68.7668							-10.61	
2	0.222	68.1225		-1.9931		3.29252				
2	0.2198	101.07		-1.6788					29.784	
2	0.2125	106.718	0.46645	-2.3814						
2	0.2066	113.25		-0.7662						-326.35
2	0.1868	134.327		-1.5543				0.64379		
2	0.1771	102.412		-1.3207	0.30829					
2	0.1706	114.956		-1.19			1.16734			
2	0.1508	75.121						-0.3882		-441.91
2	0.1491	91.1175	-0.1365							-389.93
2	0.1303	86.0623				-0.7458				-426.79
2	0.1285	78.3786			-0.152					-437.55
2	0.126	69.1505					-0.6657			-449.55
2	0.1212	48.8308							4.22429	-512.62
2	0.0976	89.066	-0.3476						18.3027	
2	0.0823	90.2134	-0.2787		0.18117					
2	0.0817	84.2725	-0.2905			0.87567				
2	0.0803	95.1163	-0.1722					-0.1528		
2	0.0778	98.0635	-0.1973				-0.1948			
2	0.0535	83.666				-0.6482		-0.3249		
2	0.0534	77.7016			-0.1234			-0.3731		
2	0.0494	63.2905					0.21537	-0.5222		
2	0.049	65.9681						-0.4684	-0.5378	
2	0.048	102.308				-2.1566			10.5967	
2	0.0451	97.1314				-1.1698	-0.4436			
2	0.0432	88.9006			-0.2248		-0.7943			
2	0.0431	97.0954			-0.0535	-1.1784				
2	0.034	82.4093			-0.265				-0.8451	
2	0.0264	71.2435					-0.8516		-5.3855	
3	0.3515	80.7822		-1.8057					49.7473	-584.42
3	0.3209	132.919	0.82671	-4.7594				1.39718		
3	0.2752	61.7866		-1.8154		3.37472				-336.93
3	0.2674	101.038	0.4872	-2.2377						-342.5
3	0.2542	97.5012	0.60225	-3.2084			2.13158			
3	0.2539	117.726		-2.3315				0.68584	30.7408	
3	0.2458	71.8365	0.32653	-2.7444		2.52058				
3	0.2441	84.9579		-2.4422		3.10025		0.55459		
3	0.242	97.5796	0.32017	-2.4693					22.1678	
3	0.2373	75.5477		-2.0627		2.11597			18.2138	
3	0.2339	70.0696	-0.4218						41.834	-599.88
3	0.2338	65.9168		-2.1867		3.24202	1.07768			

3	0.2287	96.7772		-1.1346	0.32053					-331.77
3	0.2225	67.774		-1.9938	-0.0608	3.51999				
3	0.2223	96.529		-1.7546	0.11656				27.3132	
3	0.2221	100.693		-1.7332			0.48934		28.0899	
3	0.2203	125.311		-1.2101				0.45166		-277.99
3	0.2201	110.1		-0.9904			1.14951			-324.97
3	0.2127	105.385	0.4488	-2.3678	0.03456					
3	0.2064	118.659		-1.8968	0.30218			0.6352		
3	0.1991	95.0673		-1.6843	0.37119		1.49597			
3	0.1984	100.719				-3.6826			44.4445	-651.14
3	0.1931	39.7149						-0.7519	23.8319	-631.5
3	0.1877	131.555		-1.5585		0.35786		0.57265		
3	0.1566	87.9839	-0.0785					-0.2475		-405.22
3	0.156	68.4321					0.85493	-0.562		-458.7
3	0.1555	67.6576			-0.4083				20.8981	-568.95
3	0.155	76.3798	-0.2335			1.01665				-394.35
3	0.1535	84.8158	-0.2051		0.17106					-388.5
3	0.152	65.5442				0.34604		-0.4665		-457.26
3	0.1509	73.6927			0.01451			-0.3999		-444.39
3	0.1491	91.5004	-0.1337				-0.0632			-389.36
3	0.1415	51.4574					-1.4283		14.1233	-551.89
3	0.1318	82.5829			-0.1238		-0.4752			-427
3	0.1315	85.9411				-0.6039	-0.3108			-424.43
3	0.1306	85.8093			-0.0464	-0.5737				-426.58
3	0.1067	92.0329	-0.3514				-0.9428		24.407	
3	0.1041	85.4964	-0.3103					-0.2336	20.2303	
3	0.0994	85.3922	-0.3838		0.11249				17.1727	
3	0.0977	90.9408	-0.3389			-0.1532			19.0861	
3	0.0902	72.4366	-0.2824			1.46078		-0.2888		
3	0.0865	87.1352	-0.247		0.2055			-0.1856		
3	0.0837	84.0224	-0.3121		0.12975	0.56067				
3	0.0836	84.0988	-0.2891			1.05306	-0.403			
3	0.0826	91.1524	-0.271		0.17732		-0.1346			
3	0.0806	93.4295	-0.1721				0.20156	-0.1948		
3	0.0581	88.6763				-1.4014		-0.3157	9.95709	
3	0.0549	75.2216			-0.1727			-0.4076	4.51697	
3	0.0541	103.845				-2.1105	-0.7749		14.8974	
3	0.0541	83.1052			-0.069	-0.3826		-0.3291		
3	0.0538	81.8766				-0.6495	0.22063	-0.3704		
3	0.0534	76.8833			-0.1212		0.07206	-0.3899		
3	0.0495	64.9482					0.26276	-0.5112	-1.2298	
3	0.0485	102.016			-0.0577	-1.947			10.6599	
3	0.0465	88.1864			-0.3134		-1.1306		7.87259	
3	0.0462	96.5557			-0.0945	-0.78	-0.5262			
4	0.3609	79.2894	0.21041	-2.3201					43.9538	-561.34
4	0.359	90.3208		-2.1154				0.33473	48.8271	-543.81
4	0.352	76.6276		-1.8717		0.37778			47.2859	-572.83
4	0.3516	81.6009		-1.791	-0.0234				50.3329	-587.06
4	0.3516	80.7795		-1.7979			-0.0731		50.0583	-586.12
4	0.3422	125.748	0.79244	-4.3506				1.21191		-222.88
4	0.3371	151.199	1.07098	-5.2978	-0.3606			1.63005		
4	0.3336	125.121	0.7057	-4.665				1.30718	14.8203	



4	0.3266	115.408	0.73545	-4.7233		1.10938		1.2821		
4	0.3247	127.3	0.83847	-4.8135			0.72273	1.26423		
4	0.3097	91.7188	0.62414	-3.0701			2.14773			-344.47
4	0.3017	65.5462	0.34525	-2.6051		2.56071				-345.83
4	0.2865	59.65		-2.006		3.32484	1.05697			-335.51
4	0.283	72.9027		-2.1129		3.24668		0.34318		-299.79
4	0.2765	69.6451	0.46844	-3.4049		2.09797	1.85932			
4	0.2755	61.4794		-1.8162	-0.0545	3.57865				-336.65
4	0.2676	99.7053	0.46955	-2.2241	0.03455					-342.5
4	0.2648	95.7943		-2.5803		1.69435		0.6243	21.3901	
4	0.2627	60.3573	-0.3498					-0.5021	48.5054	-664.36
4	0.2613	94.4576	0.48976	-3.0715			1.65182		12.4151	
4	0.2606	73.7224	-0.4344				-1.641		54.3318	-647.61
4	0.2588	122.737		-2.4041			-0.8757	0.86441	34.0216	
4	0.2565	71.269	0.43905	-3.0067	-0.3223	3.46036				
4	0.2558	113.647		-2.3917	0.10106			0.68002	28.5904	
4	0.2545	95.7706	0.57973	-3.1921	0.04448		2.13491			
4	0.2537	76.814	0.27965	-2.6882		1.75822			13.5177	
4	0.2504	89.4824		-1.4967	0.38309		1.48834			-331.05
4	0.2454	89.6661	-0.3299			-1.7192			52.4179	-645.54
4	0.2454	81.603		-2.4497		3.10947	0.41416	0.47199		
4	0.2443	84.6599		-2.4402	-0.0365	3.23792		0.55166		
4	0.2426	99.7973	0.34874	-2.4976	-0.0649				22.8642	
4	0.2424	72.4823		-2.1838		2.32195	0.75366		14.4783	
4	0.2416	108.779		-1.5582	0.31459			0.43802		-284.78
4	0.2379	75.1887		-2.0638	-0.0682	2.36611			18.2922	
4	0.2339	70.1257	-0.4212		-0.0019				41.8579	-600.02
4	0.2339	66.0069		-2.1908	0.02433	3.14987	1.10176			
4	0.227	93.6466		-1.8771	0.17556		0.75697		23.4417	
4	0.2242	119.102		-1.199			0.73481	0.29457		-293.93
4	0.2228	79.2205				-2.5834		-0.4957	45.3648	-688.16
4	0.219	103.476				-3.6904	-1.4396		54.5072	-691.01
4	0.2107	110.721		-1.9456	0.337		0.79167	0.47683		
4	0.2082	53.676			-0.2798			-0.6645	32.9766	-656.28
4	0.1988	100.414			-0.0601	-3.4645			44.5144	-651.22
4	0.1934	38.9631					0.19769	-0.784	23.2969	-631.13
4	0.192	75.962			-0.5098		-1.9713		38.7045	-637.16
4	0.1731	58.2077	-0.217			1.89586		-0.4287		-424.63
4	0.163	79.9225	-0.154		0.20742			-0.2807		-405.53
4	0.1612	80.9811	-0.0739				0.7993	-0.4182		-423.06
4	0.1574	57.6936				0.38204	0.87606	-0.6528		-476.07
4	0.1567	62.934			0.05003		0.92805	-0.6175		-468.72
4	0.1562	76.2248	-0.2504		0.10006	0.77305				-392.45
4	0.156	76.2973	-0.2327			1.14274	-0.2881			-392.26
4	0.1535	84.8547	-0.2048		0.1709		-0.0055			-388.45
4	0.1526	64.9931			-0.068	0.60776		-0.4706		-457.22
4	0.1322	85.5015			-0.0758	-0.2922	-0.3773			-423.58
4	0.1073	89.8932	-0.3352				-0.7292	-0.0961	23.8167	
4	0.1072	89.856	-0.3711		0.06184		-0.8928		23.4624	
4	0.1069	80.725	-0.3521		0.13812			-0.2507	18.9835	
4	0.1067	92.4522	-0.3494			-0.0347	-0.941		24.5731	
4	0.1048	79.7806	-0.3294			0.42692		-0.2657	18.3115	

4	0.1004	90.8206	-0.3657		0.15354	-0.553			19.5889	
4	0.0916	72.5945	-0.301		0.11007	1.17527		-0.2798		
4	0.0904	70.9853	-0.282			1.45673	0.18095	-0.3262		
4	0.088	82.1667	-0.2565		0.23228		0.46941	-0.2876		
4	0.0848	83.9414	-0.3064		0.10215	0.7647	-0.3113			
4	0.0588	88.1226			-0.0725	-1.1276		-0.32	10.0277	
4	0.0583	90.9328				-1.492	-0.203	-0.2727	11.1704	
4	0.0562	103.449			-0.1305	-1.6282	-0.9086		15.7822	
4	0.0552	77.2078			-0.1929		-0.2331	-0.3625	5.72164	
4	0.0543	81.9771			-0.0587	-0.4228	0.14935	-0.3593		
5	0.3915	101.057	0.48111	-3.7511				0.83129	34.2149	-430.8
5	0.3647	84.6125	0.28145	-2.3898	-0.1663				46.1656	-572.36
5	0.3636	78.8177	0.28026	-2.5585			0.63752		39.3164	-538.84
5	0.3633	95.1231		-2.1846			-0.8277	0.50434	51.8844	-542.5
5	0.3614	122.274	1.01984	-5.5728	-0.6016	2.60669		1.5153		
5	0.361	77.5373	0.2076	-2.3414		0.16113			42.9813	-556.71
5	0.3592	87.2596		-2.1575		0.266		0.32996	47.1071	-536.23
5	0.3591	91.0556		-2.1018	-0.0213			0.33437	49.361	-546.26
5	0.3553	144.871	0.9661	-5.2749	-0.4217			1.56072	17.9197	
5	0.3542	142.29	1.00749	-4.857	-0.3125			1.43178		-201.19
5	0.3526	76.2629		-1.8727	-0.0693	0.63182			47.3681	-572.88
5	0.352	76.7051		-1.8685		0.37067	-0.0188		47.412	-573.49
5	0.3517	81.9894		-1.7701	-0.0346		-0.1308		51.1713	-591.38
5	0.3511	103.26	0.67548	-4.2733		1.38912		1.05329		-240.34
5	0.3496	117.124	0.80579	-4.3881			1.02158	1.00634		-244.11
5	0.3382	147.069	1.06202	-5.293	-0.3381		0.38478	1.54476		
5	0.3341	120.139	0.68878	-4.6635		0.37117		1.2788	13.1537	
5	0.3338	124.296	0.71496	-4.6822			0.16107	1.28248	14.0081	
5	0.3328	63.3202	0.48809	-3.2691		2.13565	1.8707			-346.99
5	0.3302	110.252	0.74851	-4.7766		1.08968	0.70332	1.15476		
5	0.3128	64.9456	0.45992	-2.8718	-0.3283	3.518				-347.07
5	0.3099	89.9858	0.6016	-3.0538	0.04454		2.15107			-344.48
5	0.2878	65.4948		-2.108		3.27389	0.82477	0.16595		-317.86
5	0.2867	59.7566		-2.0109	0.02937	3.21364	1.08605			-335.63
5	0.2832	72.5681		-2.1105	-0.0403	3.39848		0.33985		-299.94
5	0.283	69.3397	0.54755	-3.5684	-0.2524	2.86062	1.74143			
5	0.2766	70.2661	0.45937	-3.381		2.02297	1.80998		1.52867	
5	0.2708	92.1543	-0.3473			-1.6243	-1.6034		64.0452	-689.66
5	0.2679	65.8232	-0.382				-0.9366	-0.3273	53.316	-669.16
5	0.2662	101.396		-2.5909		1.48317	-0.5012	0.73417	24.4333	
5	0.265	95.4664		-2.5782	-0.0422	1.85114		0.62103	21.422	
5	0.265	70.8768	-0.3136			-0.8274		-0.4458	52.852	-679.11
5	0.2629	59.1302	-0.3611		0.03804			-0.5058	48.0642	-662.06
5	0.2627	75.7436	0.38852	-2.9362	-0.2971	2.70829			12.0311	
5	0.2623	77.347	-0.4001		-0.1119		-1.7435		56.5579	-658.79
5	0.2613	94.9036	0.49449	-3.074	-0.0126		1.64382		12.5977	
5	0.259	120.812		-2.4183	0.03565		-0.7908	0.84503	32.9447	
5	0.2518	95.4211		-1.6011	0.37013		1.23544	0.1715		-312.78
5	0.2479	89.5537	-0.3552		0.14517	-2.0957			52.861	-644.91
5	0.2454	81.6181		-2.449	-0.0088	3.1424	0.40342	0.47343		
5	0.2424	72.4766		-2.1823	-0.0093	2.35309	0.74306		14.5415	
5	0.2257	87.1121				-2.9202	-0.7206	-0.3456	50.1227	-696.91

5	0.2237	78.5772			-0.0833	-2.2694		-0.5008	45.4713	-688.65
5	0.2234	102.89			-0.1918	-2.9949	-1.6418		56.1432	-696.87
5	0.2106	59.2421			-0.3396		-0.6787	-0.5358	36.7686	-662.85
5	0.1777	51.1932	-0.2125			1.89626	0.79991	-0.5995		-442.49
5	0.1737	58.363	-0.2288		0.06804	1.7176		-0.4225		-422.91
5	0.1714	67.5851	-0.1709		0.27164		1.12332	-0.5309		-430.7
5	0.1575	57.7207			-0.0087	0.41514	0.86515	-0.651		-475.83
5	0.1567	76.1926	-0.2466		0.08103	0.91378	-0.2157			-391.25
5	0.1084	85.5107	-0.3581		0.09572		-0.5508	-0.1416	22.0751	
5	0.1074	87.1135	-0.3425			0.19047	-0.6911	-0.1176	22.7733	
5	0.1074	92.2613	-0.363		0.0829	-0.2605	-0.8625		24.3869	
5	0.1069	80.1642	-0.3534		0.1347	0.0507		-0.2541	18.7865	
5	0.0924	69.8851	-0.3045		0.13561	1.10137	0.34235	-0.3483		
5	0.0594	91.9455			-0.098	-1.1927	-0.3614	-0.2451	12.2128	
6	0.4095	119.832	0.72581	-4.3361	-0.3852			1.07739	36.4549	-417.67
6	0.3921	106.336	0.49616	-3.7344		-0.4295		0.85452	36.535	-439.5
6	0.3916	101.73	0.47116	-3.7302			-0.1541	0.85261	35.0862	-432.89
6	0.3814	110.806	0.94771	-5.1112	-0.5644	2.7683		1.29285		-218.5
6	0.3671	76.6457	0.29826	-2.5501	-0.245	0.96427			41.392	-549.84
6	0.3665	83.5895	0.32974	-2.5753	-0.1463		0.51856		42.1279	-552.73
6	0.3658	125.674	0.97253	-5.4933	-0.5781	1.97583		1.50362	10.1974	
6	0.3652	100.638		-2.134	-0.1141		-1.0984	0.55791	55.7496	-555.21
6	0.364	75.015	0.2796	-2.6226		0.34637	0.68661		36.8687	-527.15
6	0.3634	96.6949		-2.1679		-0.1213	-0.858	0.51273	52.7807	-545.91
6	0.3614	121.601	1.0183	-5.5699	-0.5951	2.58829	0.08175	1.49799		
6	0.3596	86.8184		-2.1543	-0.0556	0.47132		0.32535	47.1756	-536.79
6	0.3584	94.7292	0.68913	-4.311		1.38516	1.01812	0.84886		-261.45
6	0.3577	133.688	0.98481	-4.8079	-0.2658		0.72581	1.25283		-219.51
6	0.3571	150.107	0.96037	-5.278	-0.4681		-0.5983	1.68035	21.2775	
6	0.3527	76.6816		-1.8534	-0.0783	0.62186	-0.1127		48.1368	-576.82
6	0.3396	62.9915	0.56901	-3.436	-0.258	2.91538	1.75021			-347.9
6	0.3345	117.675	0.69943	-4.6904		0.4578	0.25415	1.2332	11.4832	
6	0.2879	65.443		-2.1089	0.01773	3.20777	0.84694	0.16265		-318.28
6	0.283	69.7134	0.54187	-3.5536	-0.2517	2.81335	1.71217		0.91749	
6	0.2729	83.3884	-0.3358			-1.2624	-1.1964	-0.193	61.2815	-692.99
6	0.2709	92.1212	-0.3496		0.01443	-1.6626	-1.5893		63.9871	-689.21
6	0.2681	67.6239	-0.3723		-0.0416		-1.0151	-0.3085	54.2019	-672.08
6	0.2671	102.294		-2.5895	-0.0874	1.74855	-0.6423	0.75832	25.356	
6	0.2665	71.2133	-0.3336		0.11243	-1.1391		-0.4358	53.1854	-677.87
6	0.2283	88.6609			-0.1519	-2.4641	-0.9691	-0.3031	51.9576	-700.82
6	0.1797	50.0655	-0.2353		0.13801	1.53477	0.96443	-0.6222		-442.67
6	0.1084	85.9364	-0.3573		0.0979	-0.036	-0.5539	-0.1385	22.2327	
7	0.4135	126.994	0.71176	-4.3188	-0.453		-0.8849	1.2431	41.8517	-427.37
7	0.4117	112.101	0.74112	-4.4866	-0.4605	0.92741		1.0753	31.8826	-396.32
7	0.3925	108.786	0.48226	-3.6935		-0.5325	-0.2714	0.89764	38.6258	-445.27
7	0.3826	106.758	0.9363	-5.0742	-0.5289	2.67988	0.42634	1.19217		-228.71
7	0.3694	74.4807	0.35645	-2.7855	-0.2314	1.08237	0.60279		36.1138	-524.27
7	0.3668	130.16	0.96814	-5.4877	-0.6063	1.90579	-0.4349	1.5926	12.9119	
7	0.3654	98.0132		-2.163	-0.1314	0.26695	-1.0727	0.54756	54.362	-549.64
7	0.273	82.9624	-0.3412		0.03588	-1.3433	-1.1454	-0.2006	61.0285	-692
8	0.4149	119.994	0.72561	-4.4443	-0.509	0.7641	-0.8071	1.22679	37.6096	-408.92

LAG 2

Number In Model	RSquare	Intercept	ALK_2	CA_2	CL_2	DOC_2	SIO2_2	SO4_2	TKN_2	TPO4_2
1	0.3197	175.877		-1.7349						
1	0.2018	168.965							-52.872	
1	0.1795	142.16	-0.3934							
1	0.1685	148.747				-2.7597				
1	0.1329	142.321			-0.7047					
1	0.0916	84.0045					-2.619			
1	0.084	48.6922								-176.38
1	0.0608	74.6607						-0.7008		
2	0.3837	179.632		-1.6836						-154.37
2	0.3721	163.677	0.52373	-3.3165						
2	0.3502	208.764		-1.3971					-24.306	
2	0.3454	203.353		-1.4681		-1.2261				
2	0.3389	177.594		-2.0774				0.5057		
2	0.3313	178.303		-2.0377			1.26377			
2	0.3271	191.642		-1.5767	-0.1936					
2	0.3207	171.18	-0.4599							-232.8
2	0.2912	184.962			-0.911					-250.7
2	0.257	196.344	-0.2497						-37.488	
2	0.249	190.794	-0.2872			-1.9319				
2	0.2251	158.901							-46.728	-98.18
2	0.2184	180.057				-1.2338			-37.475	
2	0.2131	174.35						-0.3197	-48.567	
2	0.2098	179.824			-0.2311				-43.554	
2	0.209	102.75					-3.0991			-211.24
2	0.2047	182.009			-0.4197	-2.0558				
2	0.2045	167.649					-0.5511		-48.526	
2	0.1994	180.989			-0.7199			-0.733		
2	0.1934	156.38				-2.321	-1.4784			
2	0.1891	157.591	-0.3058		-0.2628					
2	0.1882	137.59				-2.3585				-92.914
2	0.1856	145.68	-0.3604					-0.2433		
2	0.1838	156.247				-2.4837		-0.3698		
2	0.181	141.664	-0.3634				-0.433			
2	0.1465	140.416			-0.5497		-1.2235			
2	0.1194	74.658						-0.5479		-150.9
2	0.1034	92.4692					-2.0688	-0.3569		
3	0.4649	223.065	1.10912	-4.3518	-0.897					
3	0.4578	158.841	0.91104	-5.3219				1.23353		
3	0.4242	182.881		-2.1842				0.75297		-182.84
3	0.4175	216.503		-1.3101	-0.4407					-195.21
3	0.4024	196.459	0.5225	-2.9764					-24.208	
3	0.3926	172.229	0.27161	-2.5185						-110.13
3	0.3925	197.931		-1.4974					-13.899	-133.54
3	0.3909	188.047	0.49051	-2.9871		-1.053				
3	0.3876	190.874		-1.5761		-0.5201				-137.37
3	0.3852	180.377		-1.7997			0.47485			-147.51
3	0.3829	225.907		-1.8089			2.26641		-33.761	
3	0.3796	166.071	0.50513	-3.5052			1.02155			

3	0.3688	210.09		-1.7374			0.49682	-24.04	
3	0.3657	205.7		-1.8146		-1.252	0.51992		
3	0.3605	208.085		-1.7965		-1.3131	1.4494		
3	0.3547	213.455		-1.3571		-0.6486		-17.031	
3	0.3503	207.892		-1.4056	0.0237			-25.088	
3	0.3494	200.773	-0.3112		-0.4626				-252.3
3	0.3486	205.128		-1.9165	-0.316		1.83513		
3	0.3468	208.461		-1.4162	-0.0888	-1.1313			
3	0.3468	179.454		-2.2977			1.05187	0.45878	
3	0.3391	180.685		-2.0225	-0.0394			0.472	
3	0.333	191.067	-0.3838						-17.021
3	0.3273	184.898	-0.413			-0.6952			-194.98
3	0.3241	170.661	-0.4149						-202.44
3	0.3231	170.164	-0.4847			-0.6565			-234.67
3	0.3221	207.789					0.16104		-243.33
3	0.3221	207.789			-0.9014			-0.512	-226.11
3	0.3063	183.166			-0.7483		-1.2919		-251.96
3	0.2922	188.299			-0.8554	-0.3092			-235.22
3	0.2912	185.561			-0.891				-1.5201
3	0.269	204.723	-0.2399			-1.0517			-24.968
3	0.2633	204.168	-0.2997				0.97896		-42.126
3	0.2599	192.77	-0.289		0.16775				-41.831
3	0.2583	196.876	-0.2375					-0.1111	-36.745
3	0.25	191.171	-0.2762			-1.8903		-0.0983	
3	0.2493	192.529	-0.2739		-0.0465	-1.8923			
3	0.2491	191.21	-0.2937			-1.9437	0.10276		
3	0.2434	150.559					-1.6083		-31.296
3	0.2386	142.28				-1.4397	-2.2542		-142.1
3	0.234	168.86				-0.9351			-150.78
3	0.2334	199.221			-0.5038	-1.5267		-0.5199	-36.007
3	0.2328	164.122						-0.2666	-83.031
3	0.2313	194.295			-0.3708			-0.4695	-43.585
3	0.2266	183.699				-1.123		-0.2754	-31.6
3	0.2259	190.468			-0.2247	-1.2175			-35.149
3	0.2218	178.837				-1.2649	-0.628		-28.619
3	0.2132	173.904					-0.1024	-0.3078	-32.133
3	0.2106	178.998			-0.3283	-1.9659	-0.8195		-47.92
3	0.2105	178.128			-0.2098		-0.2917		-42.112
3	0.2097	177.612	-0.1647		-0.4773			-0.5131	
3	0.2092	101.97					-3.1728	0.04359	-214.09
3	0.2032	189.904			-0.8291		0.83846	-0.8773	
3	0.2001	145.186				-2.147		-0.3284	-85.123
3	0.1971	159.024				-2.2532	-1.2023	-0.2007	
3	0.1894	156.749	-0.2952		-0.2524		-0.2023		
3	0.1858	145.309	-0.3521				-0.1474	-0.2293	
4	0.5122	246.787	1.22866	-5.1633	-1.1573		2.76708		
4	0.5082	206.134	1.26767	-5.6201	-0.6959			0.9229	
4	0.4863	190.689	0.90581	-4.9711				1.22068	-23.48
4	0.4789	228.234	0.88126	-3.657	-0.868				-91.276
4	0.474	181.551	0.8745	-4.9864		-0.9781		1.21544	
4	0.4698	165.66	0.69929	-4.6174				1.17942	-85.078
4	0.468	219.049	1.2142	-4.6884	-1.0571				10.7971
4	0.4653	221.346	1.13502	-4.4401	-0.9287	0.165			

4	0.4583	159.565	0.89931	-5.3372			0.27276	1.21199		
4	0.4336	204.406		-1.82	-0.2679			0.54672		-199.87
4	0.4297	197.294		-2.0178				0.7251	-11.039	-165.25
4	0.4275	212.434	0.48572	-3.2282			1.99748		-32.548	
4	0.4263	191.291		-2.0942		-0.3918		0.73941		-169.52
4	0.4263	223.859		-1.5466	-0.5062		1.19483			-184.02
4	0.4242	182.791		-2.1701			-0.0705	0.75774		-184.04
4	0.4213	212.229		-1.3542	-0.6026				13.5359	-230.49
4	0.4192	212.819		-1.3423	-0.5035	0.4134				-214.54
4	0.4081	194.698	0.37511	-2.5794					-19.21	-64.493
4	0.4038	199.346	0.51126	-2.9201		-0.3626			-20.142	
4	0.4022	211.006		-1.7241			1.38152		-22.185	-101.17
4	0.4011	192.728	0.46611	-3.1836		-1.1336	1.20053			
4	0.3994	186.171	0.32036	-2.5224		-0.7065				-79.1
4	0.3949	172.778	0.28574	-2.7077			0.59609			-99.223
4	0.3947	225.32		-2.0446			2.04698	0.40234	-32.629	
4	0.3927	198.966		-1.4884		-0.1191			-12.73	-131.4
4	0.3906	194.37		-1.722		-0.6317	0.6913			-123.74
4	0.3842	227.92		-1.7722		-0.3611	2.18737		-29.38	
4	0.3837	229.26		-1.7946	-0.0763		2.33858		-31.544	
4	0.3827	196.276		-2.112	0.40008			0.8344	-37.057	
4	0.3765	209.489		-2.0585		-1.3235	1.23583	0.4656		
4	0.374	215.213		-1.7014		-0.7044		0.50774	-16.132	
4	0.3684	197.636		-1.9897	0.15046	-1.419		0.65057		
4	0.3675	221.375		-1.753	-0.2111	-1.1092	1.80216			
4	0.3547	212.722		-1.3642	0.0196	-0.6469			-17.696	
4	0.3515	196.925		-2.1017	-0.2118		1.52836	0.25626		
4	0.3505	204.489	-0.2776		-0.5086			-0.1216		-246.28
4	0.3499	199.711	-0.2975		-0.4492		-0.263			-252.48
4	0.3495	199.848	-0.3124		-0.4937				2.49427	-259.15
4	0.3494	200.72	-0.3113		-0.4634	0.00537				-252.57
4	0.3353	190.02	-0.4086					0.15926	-16.985	-205.48
4	0.3337	193.361	-0.3772			-0.2675			-14.467	-188.98
4	0.333	190.532	-0.3814				-0.0632		-16.606	-196.08
4	0.3299	168.647	-0.4326				-1.0161	0.27426		-253.64
4	0.3298	183.962	-0.438			-0.7003		0.16428		-212.97
4	0.3289	182.883	-0.387			-0.6116	-0.462			-207.41
4	0.3282	205.365			-1.145			-0.6231	18.7127	-272.13
4	0.3227	206.119			-0.9467	0.25493		-0.5363		-237.7
4	0.3222	206.436			-0.8839		-0.1426	-0.4861		-227.49
4	0.3096	177.217			-0.8915		-1.6114		13.9644	-290.61
4	0.3064	183.961			-0.7374	-0.0717	-1.2762			-248.36
4	0.2922	188.125			-0.863	-0.3195			0.72079	-236.69
4	0.2735	210.809	-0.2833			-0.9773	0.83559		-29.811	
4	0.2714	201.266	-0.2766		0.15611	-1.0352			-29.206	
4	0.2695	204.892	-0.2318			-1.0275		-0.0754	-24.751	
4	0.2673	207.196	-0.2897				1.23253	-0.209	-41.928	
4	0.266	200.595	-0.3377		0.16432		0.96996		-46.337	
4	0.2599	192.697	-0.29		0.17029			0.00383	-41.923	
4	0.2518	197.01	-0.2234		-0.1467	-1.725		-0.194		
4	0.2508	160				-0.8552	-1.5442		-22.105	-126.49
4	0.2504	192.235	-0.289			-1.9092	0.24243	-0.1198		

4	0.2494	193.315	-0.281		-0.0524	-1.9033	0.13953			
4	0.2437	152.663					-1.4643	-0.0693	-31.861	-136.31
4	0.2428	201.865			-0.3507	-1.0392		-0.4203	-20.104	
4	0.2403	172.737				-0.8569		-0.2404	-34.068	-77.86
4	0.2386	141.723				-1.438	-2.3034	0.02849		-152.72
4	0.2364	204.961			-0.4902		0.97534	-0.6314	-32.298	
4	0.2349	204.4			-0.5789	-1.4861	0.53266	-0.6172		
4	0.2271	182.756				-1.1491	-0.2664	-0.2432	-33.155	
4	0.2271	188.423			-0.1966	-1.2385	-0.3834		-26.465	
4	0.2144	187.365	-0.1718		-0.5881		0.93089	-0.6638		
5	0.5304	228.774	1.30909	-5.8441	-0.9489		2.05247	0.64791		
5	0.518	211.244	1.06916	-4.9791	-0.6807			0.88094		-76.631
5	0.5145	247.138	1.12187	-4.8027	-1.1245		2.55029			-39.025
5	0.514	243.354	1.29038	-5.382	-1.2353	0.37723	2.82511			
5	0.5129	244.489	1.27661	-5.3098	-1.2291		2.72159		5.12883	
5	0.5084	207.168	1.25121	-5.5707	-0.6721	-0.1142		0.93141		
5	0.5083	206.463	1.25632	-5.5911	-0.6743			0.93181	-1.3241	
5	0.4977	220.243	1.02453	-4.1407	-1.3125				31.3502	-156.1
5	0.4945	200.58	0.85397	-4.9631			1.18014	1.12478	-28.465	
5	0.488	189.823	0.81847	-4.7193				1.1997	-20.754	-35.337
5	0.4871	192.945	0.89601	-4.9217		-0.2813		1.21721	-20.329	
5	0.4856	221.522	0.92825	-3.8464	-1.0158	0.82334				-124.23
5	0.4776	180.474	0.75385	-4.6343		-0.7528		1.18663		-51.86
5	0.4753	183.51	0.85382	-5.0007		-1.0108	0.45266	1.1791		
5	0.4699	165.554	0.69937	-4.6015			-0.0812	1.18496		-86.447
5	0.468	219.463	1.21033	-4.674	-1.0541	-0.0603			11.3717	
5	0.4355	210.164		-1.8585	-0.3298		0.61465	0.45752		-193.35
5	0.4337	203.715		-1.8175	-0.2877	0.1062		0.53518		-204.74
5	0.4336	204.255		-1.8138	-0.2864			0.53566	1.25211	-203.04
5	0.4313	202.952		-2.0795			0.59322	0.67552	-14.792	-149.18
5	0.4297	197.88		-2.0122		-0.0674		0.72443	-10.38	-164.01
5	0.4277	213.19	0.48246	-3.2065		-0.1194	1.97314		-31.107	
5	0.4276	212.981	0.49909	-3.2725			2.04459		-33.227	6.23352
5	0.4273	220.758		-1.5628	-0.5521	0.31779	1.15116			-199.29
5	0.4268	221.279		-1.5365	-0.5635		1.05431		5.4313	-199.49
5	0.4264	191.725		-2.108		-0.4069	0.08671	0.73302		-167.54
5	0.4219	210.441		-1.369	-0.6222	0.25925			11.8824	-238.3
5	0.4085	196.351	0.37849	-2.5746		-0.1936			-17.358	-60.392
5	0.4047	190.355	0.35393	-2.8167		-0.8753	0.92495			-54.757
5	0.4022	211.517		-1.7184		-0.0642	1.37654		-21.525	-100.14
5	0.3984	215.233		-2.205	0.2229		1.72557	0.60525	-38.533	
5	0.3967	227.749		-2.0068		-0.4385	1.94472	0.41385	-27.278	
5	0.388	201.399		-2.0765	0.40082	-0.7079		0.846	-29.135	
5	0.385	231.206		-1.7585	-0.0752	-0.358	2.25915		-27.234	
5	0.3765	209.656		-2.0564	-0.0028	-1.3208	1.2417	0.46293		
5	0.3515	203.629	-0.2621		-0.6355			-0.1912	8.05832	-264.98
5	0.3506	203.779	-0.2761		-0.5306	0.11109		-0.1343		-251.23
5	0.3506	196.695	-0.2918		-0.5199		-0.4277		6.34015	-270.02
5	0.3505	203.756	-0.2774		-0.4995		-0.0776	-0.1079		-247.02
5	0.3499	199.261	-0.2978		-0.4553	0.04222	-0.2711			-254.61
5	0.3495	200.088	-0.3119		-0.4914	-0.0326			2.71657	-258.12
5	0.3361	186.169	-0.3995				-0.4186	0.20619	-14.225	-215.88

5	0.336	192.376	-0.402			-0.276		0.16082	-14.35	-199.39
5	0.3339	179.903	-0.406			-0.5559	-0.813	0.2542		-227.47
5	0.3337	192.769	-0.3744			-0.2688	-0.0713		-13.986	-190.19
5	0.3293	200.67			-1.1159		-0.4657	-0.5513	20.8559	-281.92
5	0.3283	204.809			-1.1558	0.09392		-0.6293	18.2559	-275.28
5	0.3228	204.796			-0.9295	0.25417	-0.1401	-0.5108		-239.03
5	0.3101	179.162			-0.8712	-0.2312	-1.594		15.4192	-283.01
5	0.2759	207.354	-0.3192		0.15401	-0.9616	0.82946		-33.957	
5	0.2758	212.683	-0.2767			-0.9067	1.04312	-0.1625	-30.548	
5	0.2716	200.332	-0.2911		0.19267	-1.0491		0.05531	-30.357	
5	0.2674	205.58	-0.3029		0.04952		1.18467	-0.1718	-43.232	
5	0.2538	202.953	-0.2266		-0.2283	-1.681	0.61444	-0.3016		
5	0.251	161.266				-0.8454	-1.4508	-0.0453	-22.581	-122.89
5	0.2456	209.226			-0.4426	-0.9451	0.73583	-0.5469	-21.672	
6	0.5332	228.887	1.19142	-5.453	-0.9092		1.79999	0.65794		-43.459
6	0.5306	227.982	1.32889	-5.9052	-0.981	0.13218	2.08908	0.63315		
6	0.5305	229.333	1.29124	-5.7987	-0.9153		2.05602	0.66149	-2.0898	
6	0.5218	209.662	1.11384	-5.0338	-0.927			0.75776	15.5261	-110.78
6	0.5196	240.879	1.15758	-4.9428	-1.2477	0.71742	2.49483			-68.876
6	0.5196	208.675	1.08402	-5.0134	-0.7627	0.40934		0.84109		-93.677
6	0.5193	239.829	1.16318	-4.8905	-1.3285		2.15538		17.1923	-82.668
6	0.5141	242.914	1.30049	-5.4101	-1.2518	0.34208	2.80466		1.6966	
6	0.5084	207.193	1.24939	-5.5664	-0.6683	-0.1086		0.93305	-0.3055	
6	0.5001	216.885	1.03982	-4.2112	-1.3612	0.5042			28.4003	-170.19
6	0.4947	201.495	0.85021	-4.9377		-0.1457	1.14998	1.12543	-26.705	
6	0.4946	201.017	0.86458	-4.9982			1.21773	1.12467	-29.006	4.96286
6	0.4883	191.489	0.82189	-4.7145		-0.1951		1.19974	-18.887	-31.203
6	0.4779	181.561	0.75654	-4.6792		-0.7931	0.22434	1.17171		-46.299
6	0.4356	209.472		-1.856	-0.3496	0.10636	0.6147	0.44595		-198.23
6	0.4356	210.839		-1.8728	-0.2996		0.65668	0.47207	-2.3377	-186.99
6	0.4337	203.665		-1.8139	-0.2978	0.09974		0.52911	0.76617	-206.38
6	0.4313	203.331		-2.0753		-0.0474	0.58975	0.67534	-14.307	-148.4
6	0.4278	214.073	0.50098	-3.2664		-0.1364	2.03653		-31.867	8.84376
6	0.4275	219.44		-1.5541	-0.5842	0.27859	1.0639		3.58071	-207.61
6	0.4009	217.291		-2.1733	0.23725	-0.4889	1.59086	0.63116	-32.946	
6	0.3517	201.385	-0.2592		-0.6272		-0.2246	-0.1615	9.21219	-269.78
6	0.3515	203.338	-0.2619		-0.6416	0.04947		-0.1949	7.82699	-266.64
6	0.3506	203.055	-0.2759		-0.5214	0.11081	-0.0768	-0.1207		-251.94
6	0.3506	196.903	-0.2915		-0.5179	-0.0277	-0.4271		6.52459	-269.13
6	0.3369	188.484	-0.3923			-0.2864	-0.4327	0.20939	-11.396	-209.91
6	0.3293	200.311			-1.1245	0.07187	-0.4591	-0.5571	20.4761	-284.19
6	0.2763	209.765	-0.3014		0.09341	-0.9281	0.94836	-0.0912	-32.739	
7	0.5351	226.268	1.20875	-5.4949	-1.0004	0.44471	1.81746	0.61248		-61.657
7	0.534	226.926	1.20477	-5.4474	-1.013		1.67809	0.6134	7.5181	-62.244
7	0.5309	228.607	1.30566	-5.8524	-0.9341	0.2098	2.11751	0.65101	-4.0804	
7	0.5226	207.917	1.12079	-5.0542	-0.9654	0.30035		0.73942	14.1518	-120.27
7	0.5224	236.333	1.18321	-4.9848	-1.3846	0.57785	2.19423		13.5563	-97.481
7	0.4948	202.3	0.86703	-4.992		-0.1611	1.20772	1.12532	-27.397	8.04555
7	0.4357	210.186		-1.874	-0.3149	0.1321	0.66959	0.46215	-3.0518	-191.1
7	0.3518	201.188	-0.259		-0.6322	0.03934	-0.2211	-0.1648	9.01031	-271.03
8	0.5355	225.104	1.21672	-5.4868	-1.0667	0.401	1.72741	0.58467	5.44797	-73.48



LAG 3

Number In Model	RSquare	Intercept	ALK_3	CA_3	CL_3	DOC_3	SIO2_3	SO4_3	TKN_3	TPO4_3
1	0.1551	67.727								-670.67
1	0.1169	134.263		-1.0561						
1	0.0765	111.081	-0.2338							
1	0.0197	86.1572				-0.931				
1	0.0175	76.3222							-11.303	
1	0.0124	73.2219			-0.1663					
1	0.0086	67.0261					-1.0055			
1	0.0028	56.7738						-0.1541		
2	0.1983	120.073		-0.6938						-525.27
2	0.1709	101.538				-0.8334				-662.57
2	0.1687	94.408	-0.1095							-574.57
2	0.1641	83.807						-0.2774		-687.66
2	0.1613	83.7156					-0.8575			-665.98
2	0.1556	72.7049			-0.0347					-661.71
2	0.1552	69.6314							-0.8234	-665.53
2	0.1301	127.917		-1.2377				0.37671		
2	0.1298	123.509		-1.3142	0.21069					
2	0.1251	126.104		-1.2175			1.13408			
2	0.1214	128.264		-1.1925					6.86262	
2	0.1185	127.677		-1.1292		0.30712				
2	0.118	133.528	0.05568	-1.2309						
2	0.0842	102.026	-0.2964		0.17166					
2	0.0838	104.584	-0.3047						10.2599	
2	0.0766	109.098	-0.2399			0.08915				
2	0.0766	109.902	-0.2358					0.03071		
2	0.0765	111.066	-0.2338				0.00132			
2	0.0208	85.0827					-0.6571		-9.862	
2	0.0206	85.7553				-0.6463			-4.5013	
2	0.0205	85.5183						-0.1604	-11.379	
2	0.0204	88.3446				-0.8299	-0.3362			
2	0.0202	88.4854				-0.8975		-0.0658		
2	0.0197	86.2395			-0.0081	-0.9031				
2	0.0176	77.3476			-0.0269				-10.085	
2	0.0161	81.8269			-0.1364		-0.6974			
2	0.0134	77.0265			-0.1568			-0.0933		
2	0.0088	66.5532					-1.1512	0.05721		
3	0.2112	109.268		-0.9528	0.21152					-525.6
3	0.2096	109.724		-0.8942					11.0118	-552.01
3	0.2087	116.578	0.17358	-1.2082						-569.84
3	0.2044	108.378				-2.7732			31.0742	-837.66
3	0.1995	117.13		-0.768			0.45801			-512.23
3	0.1987	119.252		-0.7368				0.07006		-511.98
3	0.1985	122.708		-0.6585		-0.1306				-531.4
3	0.1864	100			0.31174	-1.8975				-732.66
3	0.1768	87.5294	-0.1833						10.7565	-576.88
3	0.1755	109.059				-0.7276		-0.2038		-676.08
3	0.1737	106.231	-0.0616			-0.579				-610.97

3	0.1728	88.0698	-0.1573		0.12544					-564.97
3	0.1726	100.927	-0.0908					-0.191		-602.66
3	0.1713	103.124				-0.7594	-0.2459			-661.94
3	0.1703	99.5999	-0.0952				-0.4659			-584.61
3	0.1644	86.0014					-0.2802	-0.2252		-682.93
3	0.1641	85.3397						-0.2771	-0.6724	-683.44
3	0.1641	83.9698			-0.0014			-0.2768		-687.27
3	0.1615	81.5623					-0.9011		1.28236	-673.75
3	0.1613	83.3727			0.00335		-0.8649			-666.8
3	0.1558	71.9113			-0.0603				1.92956	-667.16
3	0.1459	115.288		-1.5439	0.23401			0.41734		
3	0.1436	114.35		-1.5605				0.52213	12.7157	
3	0.1375	115.734		-1.4673	0.20728		1.10488			
3	0.1366	124.341	0.14217	-1.7327				0.4776		
3	0.1325	130.688		-1.2943	0.30148	-0.5509				
3	0.1318	121.094		-1.3138		0.31698		0.3782		
3	0.1309	125.938		-1.2669			0.43085	0.31017		
3	0.13	124.035		-1.3041	0.23866					-2.2342
3	0.1298	123.471	-0.0068	-1.2961	0.21319					
3	0.1295	120.166		-1.3525			1.13041		6.82197	
3	0.128	123.827	0.09171	-1.5266			1.28232			
3	0.1252	124.433		-1.233		0.09431	1.08523			
3	0.1216	130.506		-1.1852		-0.1752			8.59619	
3	0.1214	128.197	-0.0043	-1.1818					7.0038	
3	0.1191	128.115	0.04259	-1.2518		0.26051				
3	0.0893	117.634	-0.3108			-0.8552			19.6936	
3	0.0882	111.062	-0.2904		0.28171	-0.6672				
3	0.0858	101.435	-0.3159		0.1099				6.07887	
3	0.0849	100.029	-0.3185					0.10173	11.284	
3	0.0843	103.446	-0.2939		0.17465		-0.1341			
3	0.0842	101.582	-0.297		0.17109			0.01234		
3	0.0838	105.301	-0.3033				-0.0632		10.3026	
3	0.0767	108.257	-0.2411			0.08042		0.02697		
3	0.0767	110.61	-0.2338				-0.1371	0.0543		
3	0.0766	109.439	-0.2395			0.10499	-0.0589			
3	0.0219	88.6106				-0.4244	-0.4571			-5.834
3	0.0219	89.5354				-0.4659		-0.1118	-6.4531	
3	0.0212	86.7066					-0.4347	-0.08	-10.388	
3	0.0208	85.228			-0.0051		-0.6535		-9.6397	
3	0.0208	85.4009			0.02824	-0.6957			-5.2587	
3	0.0206	85.1985			0.02217			-0.1695	-12.386	
3	0.0205	88.5902			-0.0168	-0.7686	-0.3477			
3	0.0205	88.7005				-0.837	-0.2771	-0.0209		
3	0.0202	88.5353			-0.006	-0.8771		-0.0655		
3	0.0163	81.368			-0.136		-0.8265	0.05034		
4	0.2374	132.089		-0.7208		-2.1573			33.5299	-707.94
4	0.2293	126.659		-0.8513	0.45545	-1.4795				-595.41
4	0.222	123.039	-0.1658			-2.6639			40.2905	-750.7
4	0.2158	109.11	0.12216	-1.2596	0.16645					-556.9
4	0.2131	105.114		-1.0678				0.2186	13.1904	-515.84
4	0.2127	107.63		-0.9685	0.14337				5.44725	-538.72
4	0.2126	110.761	0.10914	-1.155					7.56966	-571.68

4	0.2124	106.593		-1.0202	0.21018		0.4268			-513.45
4	0.2123	107.63		-1.0293	0.21777			0.11249		-504.27
4	0.2117	111.677	0.19024	-1.3727			0.71054			-553.89
4	0.2116	113.667	0.20316	-1.4169				0.19747		-539.98
4	0.2111	124.156	0.19896	-1.175		-0.4009				-595.17
4	0.2107	107.153		-0.9596			0.41559		10.906	-539.92
4	0.209	106.606			0.17841	-3.1293			27.0226	-854.95
4	0.2057	105.804				-3.0267	0.46181		32.9098	-849.18
4	0.2045	108.952				-2.743		-0.0176	30.7361	-836.92
4	0.2003	121.116		-0.723		-0.2326	0.56822			-520.01
4	0.1995	117.128		-0.7676			0.4609	-0.0014		-512.41
4	0.1989	121.687		-0.7022		-0.1181		0.06569		-518.36
4	0.1962	108.813	-0.1212		0.39673	-1.6872				-650.26
4	0.1925	108.633			0.32779	-1.8297		-0.2361		-751.93
4	0.1864	100.145			0.3111	-1.8887	-0.022			-732.47
4	0.1789	93.2942	-0.1693				-0.5387		11.1305	-588.57
4	0.1784	92.7426	-0.162					-0.1288	9.47637	-595.55
4	0.1771	94.6197	-0.1402		0.13232			-0.2021		-594.16
4	0.177	111.652	-0.0468			-0.5479		-0.1774		-635.11
4	0.1769	86.8742	-0.1863		0.02505				9.80167	-574.76
4	0.1768	108.831				-0.8611	0.62106	-0.3062		-684.45
4	0.1751	93.7808	-0.1444		0.13714		-0.5655			-576.25
4	0.1739	107.288	-0.06			-0.5307	-0.1833			-611.88
4	0.1726	100.864	-0.091				0.01213	-0.1931		-602.71
4	0.1644	85.4681			0.00524		-0.2911	-0.2254		-684.24
4	0.1644	86.0969					-0.2769	-0.2257	-0.0533	-682.65
4	0.1642	85.0262			0.02173			-0.286	-1.66	-683.44
4	0.1617	82.4521			-0.0313		-0.8789		2.65928	-674.39
4	0.1506	124.417		-1.6097		-1.062		0.65427	24.7051	
4	0.1497	123.567		-1.5289	0.34356	-0.6594		0.43326		
4	0.1477	114.713	0.07997	-1.7876	0.20739			0.46947		
4	0.1474	112.776		-1.6019	0.16224			0.47332	5.98432	
4	0.1471	126.617		-1.5043	0.39333	-1.1396	1.66885			
4	0.1461	114.336		-1.5565	0.23117		0.24072	0.37966		
4	0.1445	114.674	0.0603	-1.7266				0.5452	10.9911	
4	0.1436	114.581		-1.5589			-0.0949	0.53899	12.9081	
4	0.1378	115.545	0.03086	-1.5574	0.19573		1.15639			
4	0.1377	116.237		-1.4576	0.23309		1.10235		-2.0618	
4	0.1373	122.353	0.14223	-1.7623			0.43248	0.41085		
4	0.1371	120.831	0.13227	-1.7402		0.17465		0.4714		
4	0.1338	128.021		-1.3794		-0.861	1.57171		15.325	
4	0.1326	131.262		-1.3011	0.28828	-0.6336			2.1436	
4	0.1325	130.651	-0.0055	-1.2795	0.30344	-0.5504				
4	0.132	121.035		-1.3179		0.27562	0.20668	0.34608		
4	0.13	124.132	0.00688	-1.3214	0.23921					-2.4819
4	0.1299	120.333	0.0432	-1.4699			1.201		5.39858	
4	0.128	124.72	0.09549	-1.5302		-0.0557	1.31728			
4	0.1216	130.589	-0.0138	-1.1499		-0.1985			9.28171	
4	0.0958	117.464	-0.3358		0.2179	-1.2533			15.7948	
4	0.0951	112.721	-0.3498			-1.3066		0.26355	27.3256	
4	0.0907	115.808	-0.3232			-1.1045	0.49632		22.1081	
4	0.0884	109.944	-0.2933		0.28973	-0.7434	0.20299			

4	0.0883	110.066	-0.2919		0.28214	-0.6788		0.03203		
4	0.0865	101.933	-0.3211				-0.6521	0.22442	12.9596	
4	0.0862	98.8975	-0.3233		0.09371			0.06703	7.3695	
4	0.0859	102.753	-0.3135		0.11303		-0.1242		6.04358	
4	0.0845	102.892	-0.2942		0.17536		-0.2938	0.0624		
4	0.0769	108.438	-0.241			0.13353	-0.2453	0.06668		
4	0.0222	89.3698			0.05193	-0.5335		-0.1262	-8.0972	
4	0.0221	89.7609				-0.4018	-0.2845	-0.0659	-6.4814	
4	0.022	88.2672			0.02556	-0.4709	-0.4535		-6.5091	
4	0.0212	86.4961			0.01249		-0.4236	-0.0872	-10.981	
4	0.0205	88.8441			-0.0151	-0.7804	-0.3002	-0.0164		
5	0.2514	127.711		-1.0455		-2.6731		0.46111	43.5086	-668.91
5	0.2512	132.957		-0.8447	0.323	-2.6961			26.6171	-716.94
5	0.2512	129.454		-0.9243		-2.902	1.67388		40.8768	-713.07
5	0.2379	123.637		-1.0251	0.52187	-1.9068	1.2839			-579.01
5	0.2377	131.879	0.03569	-0.8103		-2.1044			31.8512	-710.54
5	0.2357	127.352	0.1439	-1.2076	0.41468	-1.5543				-635.8
5	0.232	122.906	-0.1949		0.27214	-3.1879			35.7263	-761.82
5	0.2303	125.066		-0.9233	0.46045	-1.4744		0.10521		-575.22
5	0.2267	119.747	-0.1865			-3.1543	0.9184		45.0895	-762.77
5	0.2247	119.634	-0.1938			-2.955		0.17991	45.3061	-743.62
5	0.2188	106.193	0.15175	-1.4685	0.16652			0.19767		-527
5	0.2181	105.208	0.13923	-1.4004	0.15821		0.61933			-543.63
5	0.2174	105.516	0.13215	-1.4157				0.25909	9.42614	-532.95
5	0.2171	121.413	0.24034	-1.4056		-0.6521	1.08599			-586.67
5	0.2159	108.626	0.11352	-1.2426	0.14903				1.64717	-558.65
5	0.2151	104.066		-1.1035	0.11833			0.18631	8.27577	-510.21
5	0.2148	107.221	0.13032	-1.3008			0.60475		6.74774	-557.9
5	0.214	121.284	0.22892	-1.3847		-0.4039		0.19867		-565.32
5	0.2137	105.056		-1.0339	0.14341		0.41594		5.3397	-526.62
5	0.2131	105.316		-1.0665			-0.083	0.23336	13.3587	-515.81
5	0.2126	106.5		-1.0438	0.2144		0.2841	0.06779		-504.66
5	0.2125	111.522	0.20328	-1.4484			0.46486	0.12549		-540.43
5	0.2105	103.72			0.18373	-3.4188	0.50826		28.9222	-868.15
5	0.2094	108.722			0.19101	-3.0364		-0.0686	25.4161	-853.28
5	0.2071	108.628				-2.9842	0.87811	-0.1575	31.5348	-852.93
5	0.2004	121.504		-0.7057		-0.2598	0.67301	-0.0439		-526.62
5	0.1998	114.425	-0.1062		0.39869	-1.6606		-0.1832		-675.38
5	0.1982	108.073			0.38172	-2.2983	1.33579	-0.4616		-782.4
5	0.1964	107.856	-0.1238		0.40356	-1.7521	0.17373			-650.07
5	0.1791	92.5065	-0.1733		0.03746		-0.5567		9.71484	-585.79
5	0.179	93.9652	-0.1643				-0.4088	-0.0509	10.5341	-593.13
5	0.1789	92.0606	-0.1655		0.05841			-0.1496	7.04239	-593.62
5	0.1781	111.283	-0.044			-0.6827	0.57559	-0.2739		-645.37
5	0.1771	95.1156	-0.1393		0.13395		-0.1098	-0.1832		-593.62
5	0.1645	85.8319			0.01572		-0.263	-0.2348	-0.799	-682.68
5	0.1587	125.357		-1.6897	0.24891	-1.416		0.62342	18.3741	
5	0.1522	123.573		-1.5687	0.37932	-0.9374	0.88126	0.30206		
5	0.1518	123.219	0.08514	-1.7878	0.3187	-0.6803		0.48927		
5	0.151	124.348		-1.6191		-1.1433	0.34566	0.60298	24.9222	
5	0.1507	124.222	0.0245	-1.6756		-1.0275		0.65935	23.615	
5	0.1497	128.445		-1.5593	0.35102	-1.5561	1.88581		8.8128	

5	0.1483	113.097	0.06219	-1.7737	0.1635			0.49673	4.15331	
5	0.148	113.661	0.08105	-1.8047	0.20391		0.26407	0.42885		
5	0.148	126.706	0.05379	-1.6627	0.38032	-1.1832	1.78025			
5	0.1474	112.616		-1.6033	0.16373		0.05991	0.46223	5.80115	
5	0.1445	114.716	0.05995	-1.7254			-0.018	0.54827	11.0376	
5	0.1384	116.378	0.05383	-1.6056	0.23701		1.18985		-3.9849	
5	0.1375	120.722	0.13657	-1.761		0.0997	0.35132	0.41984		
5	0.1339	127.881	0.01836	-1.4286		-0.8379	1.58989		14.4922	
5	0.1328	131.405	-0.0232	-1.2424	0.28963	-0.6748			3.26139	
5	0.1	113.227	-0.3666		0.19244	-1.5979		0.22837	22.8637	
5	0.0979	115.187	-0.3527		0.2311	-1.5868	0.61599		18.5553	
5	0.0952	112.861	-0.3495			-1.2609	-0.1999	0.2955	27.2785	
5	0.0884	109.963	-0.2933		0.28986	-0.7443	0.20675	-0.0013		
5	0.0874	100.756	-0.325		0.08076		-0.5831	0.18153	9.40864	
5	0.0224	89.5702			0.04357	-0.4733	-0.2191	-0.0885	-7.8541	
6	0.2709	129.951		-1.1169	0.39077	-3.7102	2.02527		34.0558	-725.03
6	0.2628	128.881		-1.1305	0.29463	-3.12		0.42125	36.3403	-680.49
6	0.2552	127.582		-1.0602		-2.9641	1.06311	0.29847	44.6551	-685.93
6	0.2524	128.92	0.07158	-1.1126		-2.8277	1.74554		37.8248	-718.5
6	0.2523	127.245	0.06051	-1.2055		-2.5962		0.47268	40.9132	-672.34
6	0.2514	132.801	0.02591	-0.9091	0.32157	-2.6553			25.429	-718.78
6	0.2491	123.705	0.19776	-1.5656	0.4853	-2.1347	1.65978			-629.72
6	0.2393	125.157		-0.9683	0.53532	-2.0516	1.69467	-0.1642		-605.28
6	0.2387	124.431	0.17431	-1.4216	0.4157	-1.5602		0.20263		-605.46
6	0.2384	119.025	-0.2218		0.29636	-3.811	1.07974		40.9622	-777.01
6	0.2334	120.425	-0.2137		0.25707	-3.3716		0.13153	39.6458	-756.03
6	0.2268	119.222	-0.1917			-3.1715	0.79671	0.05081	45.87	-759.17
6	0.2195	104.46	0.13278	-1.4534	0.11953			0.22666	4.44346	-527.35
6	0.2192	104.867	0.1532	-1.4895	0.16211		0.33021	0.14653		-527.66
6	0.2181	105.028	0.13498	-1.3908	0.15016		0.61189		0.77049	-544.61
6	0.2175	105.304	0.13391	-1.4218			0.08912	0.24378	9.19533	-533.21
6	0.2173	120.994	0.24346	-1.4333		-0.628	0.97841	0.04785		-580.32
6	0.2151	103.988		-1.1042	0.11906		0.02944	0.18087	8.18565	-510.19
6	0.2146	108.184			0.24457	-3.4713	1.28352	-0.2874	25.0917	-881.27
6	0.2056	113.94	-0.1078		0.45468	-2.1355	1.36088	-0.4122		-705.31
6	0.1794	93.2499	-0.1671		0.05039		-0.3664	-0.077	8.32458	-591.72
6	0.1609	125.326		-1.7231	0.28379	-1.6565	0.81172	0.49866	17.9969	
6	0.1588	125.237	0.01462	-1.7287	0.24785	-1.3939		0.62658	17.7508	
6	0.1546	123.2	0.09124	-1.8486	0.35484	-0.9766	0.93435	0.35418		
6	0.1512	124.113	0.02884	-1.6974		-1.1082	0.36914	0.60548	23.6538	
6	0.1497	128.343	0.01332	-1.5948	0.35066	-1.5387	1.89869		8.21527	
6	0.1484	112.721	0.06508	-1.785	0.1672		0.14663	0.47068	3.62003	
6	0.1	113.168	-0.3671		0.1964	-1.6265	0.09897	0.21183	22.7951	
7	0.2719	129.45	0.06684	-1.292	0.38928	-3.6377	2.09084		31.232	-730.06
7	0.2718	128.972		-1.1755	0.36952	-3.6978	1.69576	0.15169	36.3468	-710.59
7	0.2634	128.487	0.04947	-1.2603	0.29123	-3.052		0.43116	34.3009	-683.17
7	0.2566	126.998	0.0748	-1.2589		-2.8873	1.12953	0.3026	41.5181	-691.24
7	0.2494	124.467	0.1917	-1.5205	0.49318	-2.2004	1.85471	-0.0826		-641.37
7	0.2388	119.918	-0.2145		0.3117	-3.8145	1.30371	-0.09	39.3656	-784.12
7	0.2196	103.912	0.13698	-1.4694	0.12483		0.21095	0.18899	3.6765	-527.71
7	0.161	125.136	0.02297	-1.785	0.28287	-1.6269	0.8289	0.50099	17.0093	
8	0.273	128.427	0.06877	-1.3574	0.36734	-3.6228	1.75309	0.15636	33.5118	-715.32

## LAG 4

Number In Model	RSquare	Intercept	ALK_4	CA_4	CL_4	DOC_4	SIO2_4	SO4_4	TKN_4	TPO4_4
1	0.0955	9.42353						0.72406		
1	0.0467	48.3753								-146.48
1	0.0236	23.0066					1.10349			
1	0.017	22.737			0.14053					
1	0.009	24.9446							7.56144	
1	0.0003	39.7286				0.05968				
1	0	43.208	-0.0043							
1	0	42.9544		-0.0114						
2	0.1604	46.5389		-0.7898				1.2046		
2	0.1512	-4.5355			0.43453					-309.69
2	0.1387	16.0452						0.71099		-140.96
2	0.1253	33.7953	-0.1343					0.94105		
2	0.1241	-8.1133							27.5206	-286.16
2	0.1055	19.3542				-0.3516		0.81454		
2	0.0989	18.0937						0.79811	-5.2924	
2	0.0981	13.2351					-0.4713	0.82035		
2	0.0975	21.0545					1.69243			-192.61
2	0.0957	7.66671			0.01742			0.70979		
2	0.0918	48.029	-0.4177		0.72786					
2	0.0696	18.8255	0.12889							-222.2
2	0.0599	26.5544		0.31805						-189.98
2	0.0541	37.3675				0.29558				-164.57
2	0.0448	39.8021		-0.6362	0.36041					
2	0.0406	40.0326		-0.4045			1.85994			
2	0.037	37.5328	-0.0968				1.68647			
2	0.0369	31.495	-0.2181						29.1221	
2	0.0285	15.6492			0.08418		0.85818			
2	0.0266	27.6561				-0.2	1.29555			
2	0.025	26.6758			0.2249	-0.3906				
2	0.025	32.8152		-0.4875					20.0854	
2	0.0236	23.8677					1.14401		-0.6884	
2	0.019	27.4129			0.23248				-7.6441	
2	0.0112	26.3699				-0.1896			10.2625	
2	0.0009	42.5386	-0.0216			0.12715				
2	0.0007	42.0982		-0.0547		0.10245				
2	0.0001	43.0261	-0.0124	0.02984						
3	0.2547	42.4684		-1.8539	0.53621			1.41278		
3	0.2448	38.2751	-0.6236		0.83589			1.0467		
3	0.2073	44.5436	0.52953	-2.792				1.56734		
3	0.1977	18.3935	-0.3339		0.87493					-278.95
3	0.1893	35.6638		-1.3125				1.21997	21.6337	
3	0.1788	-9.565			0.30893			0.44695		-259.04
3	0.1737	0.33629			0.59711	-0.6624				-330.22
3	0.1734	11.2807		-0.5694	0.62549					-303.53
3	0.1659	-12.901			0.37449		0.97111			-313.61
3	0.1636	41.9308		-0.6416				1.10981		-50.113
3	0.1631	45.5304		-0.8577			0.51932	1.13981		

3	0.1611	45.6805		-0.8332		0.10272		1.20461	
3	0.1598	41.0402	-0.6211		0.86046		2.33787		
3	0.1525	-4.4119						0.49869	14.6696
3	0.1516	-7.0045			0.39431				3.58889
3	0.1444	25.8389	-0.2821					0.88283	21.23
3	0.1403	22.7932	-0.044					0.78458	
3	0.1398	19.211				-0.1253		0.74396	
3	0.1397	13.8256					0.32974	0.64274	
3	0.1364	-0.6938		-0.4293					38.2538
3	0.1339	-2.1052	-0.1324						39.386
3	0.1297	-6.423				-0.3057			32.243
3	0.1285	-7.6467					0.63975		22.2618
3	0.1258	33.4035	-0.1415				0.20898	0.90991	
3	0.1253	33.7644	-0.1351			0.00647		0.94073	
3	0.1246	40.0954	-0.9852	1.57712	0.98093				
3	0.1166	21.0758			0.31209			0.83672	-26.327
3	0.1144	12.5523			0.13798	-0.6035		0.76632	
3	0.106	20.4416				-0.3269	-0.2207	0.85327	
3	0.1056	20.3818				-0.3328		0.82302	-0.9523
3	0.0995	18.04					-0.2626	0.83317	-3.9632
3	0.0991	15.0031	0.03909				1.5121		
3	0.099	10.1729			0.03689		-0.5527	0.80676	
3	0.098	24.0587		-0.0698				1.80298	
3	0.0975	21.1613				-0.0045		1.69624	
3	0.0948	36.2056		-1.1414	0.39869			2.07621	
3	0.0933	49.0729	-0.4063		0.74898	-0.1717			
3	0.0931	45.1276	-0.4337		0.67426				6.3311
3	0.0754	20.3351	0.30171	-0.5995					
3	0.0697	18.9154	0.13546			-0.0428			
3	0.0609	25.4654		0.26625		0.12468			
3	0.0536	30.5931	-0.2265				1.22505		21.1149
3	0.0499	33.9414		-0.6474			1.54642		13.0421
3	0.0498	27.61			0.41187		1.81382		-32.457
3	0.0493	41.8229		-0.6004	0.4119	-0.2957			
3	0.0449	39.0662		-0.6486	0.34368				1.74781
3	0.0421	19.1432			0.18272	-0.5209	1.07108		
3	0.0407	39.8807	0.02383	-0.4859			1.86856		
3	0.0406	39.9968		-0.4062		0.00452	1.85867		
3	0.0381	29.5436	-0.2954	0.26467					29.9644
3	0.0371	37.3439	-0.1019			0.04146	1.67776		
3	0.037	31.2581	-0.2248			0.05803			28.9516
3	0.027	25.5939				-0.2358	1.19372		2.31314
3	0.0269	31.1914			0.31366	-0.3879			-7.4261
3	0.0253	33.119		-0.4709		-0.0761			20.7425
3	0.001	42.0741	-0.0414	0.07021		0.13412			
4	0.2842	26.7046		-1.5898	0.6451			1.1478	-162.44
4	0.2761	22.5601	-0.53		0.90133			0.82649	-167.23
4	0.2678	45.9857		-1.8236	0.62857	-0.5048		1.44857	
4	0.2607	48.5564		-1.7914	0.67829			1.45781	-14.256
4	0.2587	12.7293	-0.5296		0.99589		2.21701		-269.88
4	0.258	41.3414		-1.9324	0.53797		0.57342	1.34193	
4	0.2572	42.3507	-0.2045	-1.313	0.65321			1.31814	

4	0.2516	36.8836	-0.6731		0.8712		0.84313	0.92555		
4	0.2514	40.2594	-0.6042		0.88289	-0.3624		1.0702		
4	0.2495	43.6593	-0.601		0.94892			1.09596	-12.75	
4	0.226	7.31267		-1.0866	0.66735		2.12813			-306.53
4	0.2239	33.0539	0.63165	-2.8211				1.40887		-120.77
4	0.2145	47.3543	0.63913	-3.0432		-0.3857		1.64237		
4	0.2102	18.077		-1.1046				0.9562	30.5004	-142.78
4	0.2094	15.8848	-0.689	0.96812	1.01856					-256.72
4	0.2092	41.2505	0.4427	-2.6377				1.51297	7.20175	
4	0.2087	19.3567	-0.2971		0.94292	-0.4751				-297.06
4	0.2079	44.0915	0.52182	-2.7953			0.24777	1.53115		
4	0.2078	-4.5955			0.4798	-0.7571		0.50019		-276.48
4	0.2042	10.7081	-0.368		0.75655				14.5718	-288.43
4	0.1995	-9.797			0.55701	-0.8318	1.3209			-340.8
4	0.1902	13.4705		-0.4954	0.7424	-0.5775				-322.23
4	0.1898	36.0252		-1.2932		-0.0902		1.22051	22.4134	
4	0.1895	35.6084		-1.3103			-0.1291	1.2365	22.2426	
4	0.1817	-3.1541			0.40681			0.51404	-10.416	-242.42
4	0.1815	53.1907	-0.6223		1.1935		3.30762		-32.839	
4	0.1795	-11.257			0.30764		0.26721	0.39275		-266.26
4	0.1785	4.74043		-0.661	0.50823				13.2017	-313.98
4	0.175	5.96561	-0.2084					0.62322	30.1296	-172.15
4	0.1744	-2.8882			0.54524	-0.6676			4.7429	-334.49
4	0.1737	36.5315	-0.9793	1.06354	1.01515		2.05641			
4	0.1714	-5.5483			0.53284		1.4624		-16.84	-301.01
4	0.1677	39.5746		-0.6931			0.65835	1.00552		-61.833
4	0.1662	42.8968	-0.6071		0.91147	-0.3618	2.45252			
4	0.1643	40.966		-0.6858		0.10862		1.10865		-50.734
4	0.1635	44.9384		-0.8868		0.07667	0.49421	1.14296		
4	0.1606	-2.2038				-0.3681		0.52195	19.7572	-220.18
4	0.1526	-4.3742					-0.1207	0.51564	15.2253	-216.46
4	0.1463	1.85544		-0.5349			0.99111		32.7488	-266.55
4	0.1453	25.7994	-0.283				-0.3171	0.92544	22.922	
4	0.1445	25.981	-0.278			-0.0372		0.88437	21.3256	
4	0.1421	21.33	-0.0534				0.43158	0.71097		-121.33
4	0.1414	17.1897				-0.1539	0.40797	0.66707		-143
4	0.1405	22.9268	-0.0347			-0.062		0.78527		-116.22
4	0.1396	-1.1812	-0.1411				0.72665		34.1908	-256.92
4	0.1389	-0.337		-0.3823		-0.2114			40.3446	-286.03
4	0.137	26.7356			0.45028	-0.6311		0.90105	-27.409	
4	0.1364	-0.6725	-0.0122	-0.3984					38.5777	-280.61
4	0.1355	-2.1319	-0.1102			-0.1776			40.1373	-274.59
4	0.135	-5.7835				-0.3289	0.70037		26.8452	-281.69
4	0.1258	33.4046	-0.1414			-0.0003	0.20902	0.90992		
4	0.1252	40.8691	-0.9718	1.56083	0.99231	-0.1138				
4	0.1247	39.5006	-0.985	1.56669	0.96729				1.41231	
4	0.1178	16.8547	0.34236	-1.1338			1.90891			-244.57
4	0.1176	21.4567			0.34411		0.36702	0.79168	-30.342	
4	0.1164	48.2963		-1.144	0.72938		3.04128		-32.684	
4	0.1157	13.9221			0.14505	-0.5774	-0.3487	0.82506		
4	0.1067	39.2173		-1.1272	0.48695	-0.4873	2.26016			
4	0.106	20.3109				-0.3292	-0.2268	0.85302	0.14892	



4	0.0998	15.1879	0.05527			-0.1138	1.53343			-213.78
4	0.098	23.8115		-0.0803		0.02962	1.79467			-186.23
4	0.0945	46.2626	-0.422		0.697	-0.1654		6.04846		
4	0.0762	20.728	0.3358	-0.651		-0.1254				-247.03
4	0.0703	33.9821			0.58995	-0.6494	2.24033			-37.927
4	0.054	31.8327	-0.1753	-0.1773			1.31695			19.95
4	0.0536	30.5363	-0.2281			0.01437	1.22261			21.0887
4	0.0505	34.3415		-0.6267		-0.0987	1.55435			13.8589
4	0.0494	41.2446		-0.6102	0.39873	-0.2946				1.35618
4	0.0407	39.9946	0.02776	-0.4929		-0.0176	1.87488			
4	0.0384	29.0197	-0.3122	0.28881		0.08471				29.7924
5	0.3036	29.2504		-1.5226	0.77116	-0.6215		1.16187		-180.84
5	0.2937	22.7338		-1.6927	0.66205		0.99772	0.99075		-183.15
5	0.2906	18.2718	-0.5909		0.96331		1.26009	0.61447		-190.74
5	0.2888	23.6399	-0.4926		0.97461	-0.51		0.83556		-185.46
5	0.2858	26.8295	-0.163	-1.1622	0.73689			1.07602		-160.19
5	0.285	29.8786		-1.5788	0.69508			1.17878	-5.5666	-154.23
5	0.2794	13.5602	-0.4959		1.10106	-0.6593	2.41506			-294.21
5	0.2765	24.6842	-0.5263		0.93304			0.84841	-3.818	-161.79
5	0.2753	52.1161		-1.9249	0.83268		1.45716	1.32529	-29.298	
5	0.2747	52.6961		-1.755	0.78557	-0.524		1.49858	-15.4	
5	0.2735	44.8413		-1.9253	0.6404	-0.5566	0.76597	1.3576		
5	0.2703	48.2137	-0.6734		1.17972		1.76633	0.91047	-30.438	
5	0.2683	45.7517	-0.099	-1.5632	0.68059	-0.4794		1.40093		
5	0.2661	21.5564	-0.5354		1.18676		2.80165		-19.569	-254.75
5	0.2624	48.096	-0.1722	-1.3396	0.76841			1.37543	-13.41	
5	0.2623	40.8698	-0.2754	-1.2255	0.69608		0.73266	1.19476		
5	0.2608	11.8886	-0.6787	0.43331	1.05415		2.10659			-260.38
5	0.26	38.9549	-0.6578		0.9295	-0.4127	0.95716	0.93592		
5	0.257	46.274	-0.5782		1.00952	-0.3868		1.12558	-13.927	
5	0.2564	9.75252		-1.0587	0.8338	-0.7928	2.43182			-332.63
5	0.2348	35.2223	0.77872	-3.1349		-0.4768		1.4836		-134.49
5	0.2323	23.0587	0.46665	-2.4908				1.25145	15.7452	-150.15
5	0.2318	15.0002		-1.0903	0.83242		2.64111		-17.448	-293.45
5	0.2262	31.4431	0.62305	-2.8293			0.48383	1.32815		-128.42
5	0.2179	17.007	-0.6182	0.86419	1.06334	-0.4206				-275.15
5	0.2162	44.1982	0.55542	-2.8937		-0.3804		1.58987	6.81758	
5	0.2155	46.856	0.63251	-3.0551		-0.3976	0.32035	1.59787		
5	0.2149	11.8162	-0.3309		0.82615	-0.4695			14.2756	-306.14
5	0.2131	10.2327	-0.6763	0.86196	0.91151				11.2382	-266.47
5	0.2118	-8.2927			0.48994	-0.8158	0.64474	0.37352		-295.25
5	0.2116	18.2159		-1.0654		-0.1564		0.94982	32.0998	-146.75
5	0.2109	1.92978			0.57959	-0.7584		0.56847	-10.588	-259.61
5	0.2102	18.0825		-1.104			-0.0567	0.96391	30.7527	-142.54
5	0.2097	0.53521			0.7885	-0.8962	2.02229		-23.112	-325.61
5	0.2093	41.3407	0.44667	-2.6512			0.09357	1.50361	6.63103	
5	0.1954	48.6835	-0.9807	1.064	1.34835		3.02631			-32.848
5	0.1952	6.96937		-0.5864	0.62568	-0.5763			13.1139	-332.57
5	0.1929	57.2109	-0.6036		1.30385	-0.4879	3.58325			-36.937
5	0.1899	35.9668		-1.2915		-0.0886	-0.1214	1.23604	22.9721	
5	0.186	-3.1772			0.47772		0.77585	0.40781	-18.36	-250.71
5	0.1782	38.3936	-0.9433	0.99136	1.0474	-0.3032	2.17161			

5	0.1763	5.91504	-0.1879			-0.1615		0.62119	30.8432	-177.93
5	0.1753	6.0781	-0.2094				-0.1909	0.65065	31.087	-170.97
5	0.1681	38.9846		-0.7222		0.07653	0.63327	1.00867		-61.824
5	0.1606	-2.187				-0.3668	-0.0786	0.5329	20.1009	-219.77
5	0.149	2.24783		-0.4873		-0.2187	1.00012		34.8619	-270.65
5	0.1471	1.9456	0.07932	-0.7446			1.07997		30.1541	-273.73
5	0.1453	25.9164	-0.2796			-0.0305	-0.3132	0.92617	22.9791	
5	0.1425	21.4412	-0.0416			-0.081	0.45022	0.70869		-123.84
5	0.1415	-1.1838	-0.117			-0.1945	0.74765		34.8635	-263.16
5	0.1413	28.1665			0.53416	-0.6991	0.79096	0.81093	-36.179	
5	0.1392	-0.3726	0.04566	-0.4917		-0.2374			39.3931	-291.46
5	0.1348	54.0184		-1.1264	0.89331	-0.6157	3.42669		-37.866	
5	0.1253	40.329	-0.9718	1.55161	0.97999	-0.1128			1.26686	
5	0.1221	17.5929	0.42614	-1.2877		-0.2996	2.01896			-257.39
5	0.054	31.8716	-0.174	-0.1796		-0.0057	1.31913		19.9449	
6	0.3195	24.4594		-1.6465	0.81555	-0.7303	1.31572	0.95722		-211.37
6	0.3085	18.7989	-0.5569		1.06254	-0.613	1.48662	0.58725		-216.87
6	0.3045	32.6317		-1.5106	0.82465	-0.6233		1.19484	-5.9173	-172.16
6	0.3036	29.2427	-0.0225	-1.4644	0.78257	-0.6155		1.15185		-180.35
6	0.3026	32.6256		-1.7123	0.86608		1.60406	1.0154	-21.58	-163.91
6	0.3002	28.5108	-0.5997		1.17935		1.89178	0.63604	-22.267	-170.75
6	0.2977	22.3259	-0.2688	-1.0034	0.81601		1.15194	0.8481		-182.64
6	0.2974	58.4273		-1.9149	1.01341	-0.6742	1.86032	1.34108	-34.932	
6	0.2908	24.6823	-0.4998		1.3504	-0.7263	3.16622		-24.469	-277.77
6	0.2893	26.1011	-0.4881		1.01167	-0.5128		0.86095	-4.4132	-179.26
6	0.2864	29.6024	-0.1531	-1.1785	0.77509			1.10752	-4.8765	-153.13
6	0.2838	52.5276	-0.6537		1.29964	-0.531	2.04742	0.92161	-34.869	
6	0.2801	51.7813	-0.2918	-1.176	1.00465		1.63933	1.16916	-29.746	
6	0.2799	13.1272	-0.5696	0.21155	1.12666	-0.6415	2.35579			-288.92
6	0.2751	44.3024	-0.1731	-1.4815	0.73269	-0.518	0.85272	1.26401		
6	0.2749	52.429	-0.0562	-1.6086	0.81193	-0.5092		1.47056	-15.092	
6	0.2687	20.8938	-0.6986	0.47339	1.25594		2.69797		-20.136	-243.94
6	0.2669	20.2795		-1.0614	1.06924	-0.8581	3.14588		-23.437	-317.21
6	0.2435	25.047	0.6126	-2.8027		-0.4847		1.32402	16.0858	-164.74
6	0.2383	33.3368	0.77703	-3.1645		-0.5063	0.60661	1.38702		-144.93
6	0.2325	23.1257	0.47461	-2.5164			0.18425	1.23143	14.6734	-151.06
6	0.2232	2.72681			0.73183	-0.8833	1.35426	0.39201	-24.483	-276.91
6	0.2217	11.2894	-0.605	0.7561	0.95518	-0.423			11.3808	-285.12
6	0.2165	44.4387	0.56565	-2.9258		-0.3882	0.18678	1.57276	5.67051	
6	0.2116	18.2193		-1.0651		-0.1558	-0.041	0.95542	32.276	-146.56
6	0.2042	52.6548	-0.9298	0.96183	1.43061	-0.4295	3.29593		-36.454	
6	0.1766	6.01429	-0.1894			-0.1572	-0.1661	0.64511	31.657	-176.74
6	0.1518	2.6075	0.16524	-0.9032		-0.3144	1.18919		30.382	-287.4
7	0.3333	37.0395		-1.6665	1.08692	-0.8039	2.10825	0.98475	-27.066	-190.07
7	0.3221	31.1724	-0.5635		1.33389	-0.6845	2.2726	0.61002	-26.776	-195.88
7	0.3204	24.1919	-0.1296	-1.3162	0.88344	-0.7002	1.37697	0.88985		-209.96
7	0.3071	32.4172	-0.2817	-0.9906	1.0319		1.77906	0.8665	-22.058	-162.94
7	0.3045	32.6038	-0.0093	-1.4866	0.82898	-0.6208		1.19045	-5.874	-172.02
7	0.2989	57.8796	-0.1689	-1.4819	1.10283	-0.6364	1.94317	1.24981	-34.876	
7	0.2914	24.2645	-0.5828	0.23805	1.38076	-0.7066	3.10421		-24.622	-271.71
7	0.2443	25.2198	0.63045	-2.8554		-0.4991	0.31347	1.2921	14.2724	-166.72
8	0.3342	36.7768	-0.1307	-1.3333	1.15555	-0.7736	2.17049	0.91682	-27.081	-188.64

## LAG 5

Number In Model	RSquare	Intercept	ALK_5	CA_5	CL_5	DOC_5	SIO2_5	SO4_5	TKN_5	TPO4_5
1	0.0734	51.1254								-148.87
1	0.0471	8.74378					1.83791			
1	0.0366	11.2566						0.58059		
1	0.016	22.1124				0.4665				
1	0.005	57.8242		-0.1877						
1	0.0045	59.1452							-6.3894	
1	0.0019	33.3225			0.06275					
1	0.0002	39.3084	0.01139							
2	0.2002	69.8844		-1.6872			6.06802			
2	0.1434	8.86226						0.82719		-185
2	0.1131	19.7228					1.69096			-141.49
2	0.1124	20.1163				0.74887				-175.62
2	0.1045	49.7862		-0.9194				1.27039		
2	0.0885	42.7884	-0.2446				3.61005			
2	0.0855	48.1473					2.75578		-21.456	
2	0.0795	35.3376			0.11118					-154.09
2	0.0768	35.8738							6.16785	-164.38
2	0.0742	44.7125	0.02377							-149.72
2	0.0735	52.4962		-0.0173						-148.02
2	0.0546	39.4629						0.71665	-13.552	
2	0.0506	4.1421					1.37038	0.24538		
2	0.0501	17.231			-0.087		2.06211			
2	0.0494	3.40623				0.19295	1.67105			
2	0.0416	23.7365	-0.0648					0.67632		
2	0.041	3.85259				0.25857		0.50894		
2	0.0369	8.05548			0.02489			0.5731		
2	0.035	44.9653		-0.4048		0.70574				
2	0.0332	45.5352	0.30952	-1.0625						
2	0.0302	46.8695				0.63293			-12.212	
2	0.0191	53.1729			0.233				-16.982	
2	0.0186	47.8471		-0.4466	0.2159					
2	0.0185	30.8354	-0.0474			0.56246				
2	0.0162	24.2724			-0.023	0.49333				
2	0.0104	52.7911	0.08572						-12.861	
2	0.0057	61.6228		-0.125					-3.4149	
2	0.004	37.8345	-0.0708		0.16458					
3	0.2544	10.7116	0.83375	-3.8197				2.21423		
3	0.2348	54.5424		-2.2033	0.34897		6.4626			
3	0.2289	63.5071		-1.889			5.18309	0.72996		
3	0.2207	59.1599	0.26456	-2.4076			5.95702			
3	0.2202	59.0747		-1.83		0.57781	5.92633			
3	0.2069	66.9978		-1.4981			5.54094			-51.094
3	0.2002	68.7509		-1.7083			6.0768		1.03466	
3	0.1995	15.2248		-2.1003	0.65353			1.95969		
3	0.1947	42.7354		-0.804				1.41179		-171.04
3	0.1589	-5.4801				0.49526		0.70653		-197.42
3	0.151	24.2329	-0.08					0.94863		-187.46

3	0.1456	0.06462			0.06816		0.80994	-187.44
3	0.1435	8.13366				0.14616	0.78833	-182.66
3	0.1434	10.3172					0.83209	-0.6896
3	0.1412	46.9849	-0.2035			3.17979		-127.75
3	0.1409	37.9919	-0.6979		0.69614	5.10143		
3	0.1294	6.70627				0.52948	1.21127	-162.5
3	0.1263	39.0922		-1.077		0.604		1.22122
3	0.1206	35.4711		-0.2704		0.89574		-167.59
3	0.1178	34.1608					2.09585	-8.8796
3	0.1173	32.3628	-0.0668			0.8881		-178.22
3	0.1133	21.5567			-0.0197		1.74296	-140.34
3	0.1124	21.5551			-0.0153	0.7666		-175.54
3	0.1124	19.7376				0.74699		0.1846
3	0.106	43.8135		-1.034			1.30437	5.17604
3	0.1014	35.5719	-0.2866			0.4724	3.50611	
3	0.0999	57.0708	-0.1677				3.63516	-13.601
3	0.094	41.7869				0.37545	2.52488	-23.648
3	0.0912	44.8684			0.14677		2.6347	-27.467
3	0.0892	39.9358	-0.2393				3.35631	0.11327
3	0.0885	43.6323					2.31517	0.22842
3	0.0846	43.5273		-0.2553	0.19603			-21.33
3	0.0845	42.548	-0.1124		0.27399			-145.53
3	0.0799	39.4509		-0.1994				-157.73
3	0.0799	46.8577	0.15766	-0.4828				11.1126
3	0.0795	34.4387			0.1038			-167.02
3	0.0771	36.8889	-0.0216					-130.76
3	0.0756	30.9259						0.78732
3	0.068	13.6278	-0.3332		0.281		0.76522	-155.72
3	0.0662	33.4409			0.48073		0.92838	-168.49
3	0.0553	12.8617				0.43775	0.62677	-26.813
3	0.0548	38.5596	0.01732		-0.1286	0.30464	1.90586	-16.681
3	0.0537	36.7783	0.25709	-1.0974				0.70279
3	0.0524	11.6671			-0.069			-14.721
3	0.0523	-0.1093				1.62915	0.20283	
3	0.0515	18.8116	-0.1019			0.16764	1.26463	0.22479
3	0.0411	5.73426			-0.0198	0.42167		0.61433
3	0.0406	39.8038		-0.5521	0.14338	0.28193		0.50844
3	0.0373	53.7775	0.33487	-0.9816		0.62537		
3	0.037	51.0945		-0.3039				-8.3145
3	0.0359	44.8136			0.15246	0.72559		-5.835
3	0.0339	46.7672	0.37431	-1.1469	-0.0823	0.53743		-18.265
3	0.0309	45.2423	0.03125					
3	0.026	57.8699		-0.3152	0.29345			-14.245
3	0.0205	30.1214	-0.1048					-12.232
3	0.0193	54.2436	-0.0255		0.11989	0.53858		
4	0.3187	29.6067		-3.0174	0.2649			-16.509
4	0.3158	28.6969	0.66563	-3.949	0.63564	5.07543	1.41161	
4	0.2929	7.47127		-2.0026		3.81772	1.62585	
4	0.2855	12.9185	0.69241	-3.2557	0.66447		2.11512	-174.05
4	0.2561	8.80061	0.80785	-3.7756		0.17648	2.14281	-107.15
4	0.2561	8.37944	0.74112	-3.7255	0.12618		2.17055	
4	0.2545	11.8688	0.83598	-3.8033			2.24247	
							2.20958	-1.0936

4	0.2492	56.4189		-1.5982			3.9671	0.93434		-93.855
4	0.2461	53.7452		-2.0124		0.53786	5.09287	0.69558		
4	0.2438	49.2131		-2.2289	0.29918	0.40188	6.30774			
4	0.2412	63.8082		-2.0774	0.42047		6.44734		-11.327	
4	0.2384	53.001		-2.0434	0.33547		6.05748			-37.791
4	0.235	54.7173	-0.0408	-2.1419	0.38261		6.51775			
4	0.2342	51.8147	0.22273	-2.4131		0.48327	5.85606			
4	0.2331	53.1145		-1.5855		0.67692	5.15226			-72.678
4	0.2326	27.7863		-1.0027		0.80533		1.36008		-187.78
4	0.2306	57.2585		-2.0096			5.18636	0.76521	5.42254	
4	0.2283	10.2774		-1.3553				1.6252	26.3924	-219.62
4	0.2217	58.8991	0.24178	-2.268			5.75034			-20.962
4	0.2213	62.151	0.2742	-2.3707			5.92678			-3.0871
4	0.221	7.21911	-0.5383		0.81456			1.43866		-230.78
4	0.2202	60.1255		-1.81		0.5815	5.91675		-1.0221	
4	0.2088	59.7342		-1.579			5.47355		6.03723	-62.591
4	0.2073	25.4588		-1.9674	0.73342			1.9617	-12.53	
4	0.2028	42.134	-0.6932		0.75745		4.76475			-138.96
4	0.2016	13.5372		-2.089	0.61838	0.2003		1.90631		
4	0.1806	15.6032	-0.1471			0.74357		0.86941		-208.17
4	0.1792	64.3865	-0.6875		0.91032		5.60925		-26.54	
4	0.173	36.1037	-0.2634			0.76922	2.92137			-154.23
4	0.1603	31.9639	-0.162				1.61455	0.64397		-164.18
4	0.1602	2.11004				0.52919		0.72712	-4.0631	-189.31
4	0.1596	-4.7454				0.52569	-0.3242	0.78532		-203.36
4	0.159	-4.5316			-0.01	0.50691		0.70621		-197.35
4	0.1565	12.9846	-0.1448					0.96731	11.2412	-214.23
4	0.1486	7.79151			0.14368			0.84964	-8.282	-171.9
4	0.1461	33.6181	-0.698		0.65455	0.30507	4.9452			
4	0.1461	29.9306	-0.7114		0.73868		4.50159	0.30846		
4	0.1459	-0.5915			0.08171		-0.2192	0.86481		-191.43
4	0.1438	12.146					0.29526	0.76469	-2.2539	-175.31
4	0.1417	43.6706	-0.2201				3.14612		3.41046	-135.88
4	0.1354	22.5865				0.55262	1.65159		-10.116	-135.97
4	0.1324	13.4861			-0.0929	0.60512	1.38772			-160.07
4	0.1267	36.0837		-1.1355		0.59296		1.24035	2.77658	
4	0.1254	24.4451		-0.424		0.88129			9.62651	-183.73
4	0.1239	31.0923	-0.1731		0.22108	0.85388				-183.59
4	0.1231	32.1531		-0.371	0.09604	0.83912				-165.13
4	0.1219	22.2055	-0.126			0.90746			10.2493	-202.58
4	0.1211	34.3619	0.04448	-0.3946		0.87041				-162.17
4	0.1191	33.1834			0.07244		2.06633		-12.422	-112.02
4	0.1147	50.5214	-0.2064			0.50809	3.5255		-14.755	
4	0.1126	19.7064			-0.0305	0.76796			1.59773	-178.89
4	0.1019	34.6592	-0.3073		0.68562			1.08106	-25.165	
4	0.1014	34.8754	-0.2847			0.46707	3.43808	0.03089		
4	0.1011	53.7193	-0.1592				3.30766	0.14646	-13.922	
4	0.0974	37.1665			0.19074		1.94269	0.33994	-29.08	
4	0.0967	40.4727			0.1048	0.31482	2.47571		-27.586	
4	0.096	38.5415				0.353	2.18487	0.18342	-23.416	
4	0.0857	38.9981		-0.2988	0.16185				5.19033	-154.84
4	0.0853	38.3673	-0.1274		0.25345				4.50157	-167.55

4	0.0849	43.5238	-0.0514	-0.1525	0.23624						-150.64
4	0.0826	39.176	0.11187	-0.4777					7.93856		-149.35
4	0.0794	28.6025			0.23736	0.26528		0.70322			-26.65
4	0.0721	11.3304	-0.3326		0.43576	0.27767		0.86398			
4	0.0664	34.1363	-0.0178			0.45462		0.63754			-15.601
4	0.0591	46.0201	0.28462	-1.0049		0.61575					-9.6331
4	0.0564	38.6288	0.37961	-1.2633	-0.1598	0.63158					
4	0.0563	9.38462			-0.1117	0.27387	1.61673	0.14284			
4	0.0479	49.7581		-0.4215	0.22043	0.6234					-12.117
4	0.0373	53.8034	0.33045	-0.9743	0.00608						-8.4324
4	0.0372	46.9319	-0.0589		0.22276	0.56035					-17.227
5	0.3421	21.4247		-2.725	0.64657		3.76989	1.64245			-100.62
5	0.3299	24.2917	0.3613	-3.6836	0.38102		4.37744	1.62484			
5	0.3256	39.1374		-2.8893	0.71055		5.05566	1.41563			-11.738
5	0.3213	27.0678	0.62437	-3.666			3.25268	1.67951			-50.145
5	0.3198	28.3787		-3.0061	0.61127	0.13928	5.05619	1.37658			
5	0.3185	26.4711	0.632	-3.8953		0.21955	3.84988	1.56655			
5	0.3158	28.3126	0.66479	-3.9547			3.81968	1.62713	0.37189		
5	0.3017	3.62724		-1.9748	0.59259	0.4126		2.01253			-182.3
5	0.3013	5.80155	0.33521	-2.7557	0.42394			2.21442			-142.03
5	0.296	-0.4524		-2.0873	0.60918			2.12799	8.8287		-190.05
5	0.2942	8.77771	0.61048	-3.0676		0.41313		2.02979			-123.3
5	0.294	-1.2212	0.62117	-3.2958				2.18074	13.9917		-139.48
5	0.2758	42.3884		-1.6866		0.68179	3.56858	0.93852			-115.79
5	0.2652	31.2034		-1.8748			3.38088	1.15739	18.8592		-139.98
5	0.2615	-1.438		-1.5026		0.75512		1.56158	24.5209		-231.88
5	0.2572	7.19538	0.73562	-3.7052	0.10438	0.14656		2.20131			
5	0.257	12.1327	0.71725	-3.6273	0.17075			2.23405			-4.3254
5	0.2563	10.4772	0.81044	-3.7498		0.18162		2.16232			-1.637
5	0.2513	45.6454		-1.9967	0.26718	0.49756	5.66665				-56.364
5	0.2501	58.4538		-2.1035	0.37051	0.40058	6.29306				-11.275
5	0.2468	50.187		-2.0826		0.5247	5.09706	0.71785	3.29505		
5	0.2457	17.867	-0.7346		0.92065		2.68647	0.99555			-197.69
5	0.2438	49.349	-0.0264	-2.1892	0.32114	0.40017	6.34407				
5	0.2423	65.3142	-0.1113	-1.8961	0.52015		6.59604				-12.585
5	0.2418	61.5431		-2.0258	0.40226		6.26542				-9.4162
5	0.2406	53.0808	-0.1656	-1.7291	0.46652		6.11582				-53.235
5	0.2391	49.7761	0.16088	-2.0849		0.57694	5.34901				-49.44
5	0.2368	2.34011	-0.5472		0.74193	0.55111		1.33625			-242.27
5	0.2353	55.7746	0.23511	-2.3625		0.49331	5.81239				-4.2444
5	0.2346	46.9062		-1.6552		0.67139	5.09679				5.25441
5	0.2218	34.0774	-0.6926		0.68394	0.60283	4.40842				-158.62
5	0.2218	60.2266	0.24974	-2.2755			5.77203				-1.325
5	0.2211	6.09434	-0.542		0.80816			1.4369	1.25765		-233.43
5	0.2094	23.7572		-1.9567	0.69845	0.19767		1.90902			-12.486
5	0.2077	52.6489	-0.6896		0.83762		5.04455				-11.348
5	0.1897	54.8842	-0.706		0.9881		4.78831	0.44258			-28.616
5	0.1888	23.0041	-0.2226			0.72923	1.51085	0.58585			-186
5	0.1877	2.56275	-0.2228			0.76456		0.88843	12.7888		-239.21
5	0.1848	59.9901	-0.6875		0.86835	0.3149	5.45027				-26.659
5	0.1744	30.3957	-0.2922			0.78241	2.86085		5.68159		-168.22
5	0.1631	22.6655	-0.199				1.40191	0.69785	8.27493		-186.95

5	0.1608	1.8097			0.05324	0.48821		0.74175	-6.6151	-184.57
5	0.1602	1.45328				0.5341	-0.0937	0.74754	-3.5978	-191.96
5	0.1596	-5.7141			0.01117	0.51654	-0.366	0.79583		-204.2
5	0.1494	27.782	-0.709		0.69691	0.25053	4.48069	0.25323		
5	0.1486	8.34038			0.14153		0.08251	0.83055	-8.6057	-169.79
5	0.1355	22.5601			-0.0204	0.56701	1.64833		-9.1519	-137.97
5	0.1262	23.8354	-0.1995		0.1855	0.8736			7.52891	-200.62
5	0.1258	24.6945		-0.4428	0.0394	0.86017			8.22029	-180.36
5	0.1255	24.3397	-0.0161	-0.3861			0.88981		10.0696	-186.44
5	0.1242	31.9567	-0.1197	-0.1333	0.18814	0.853				-177.37
5	0.1149	49.2598	-0.2021			0.49785	3.39153	0.0609	-14.865	
5	0.1056	32.3554	-0.3068		0.64184	0.26238		1.01924	-25.006	
5	0.1008	34.8966			0.14954	0.25426	1.92931	0.28344	-28.908	
5	0.0859	39.0111	-0.0504	-0.1978	0.20142				5.1714	-159.82
5	0.0596	45.5347	0.33671	-1.0941	-0.0731	0.62954			-8.2448	
6	0.3462	18.2211		-2.6769	0.59783	0.28384	3.61885	1.59082		-109.24
6	0.3444	19.9015	0.1811	-3.0997	0.51742		3.60207	1.71714		-86.594
6	0.3421	22.2855		-2.7216	0.65181		3.7949	1.63807	-0.856	-98.585
6	0.3331	31.8292	0.30764	-3.4939	0.47187		4.46711	1.59602	-8.3108	
6	0.3307	23.2756	0.35757	-3.6668	0.36239	0.12147	4.36788	1.59208		
6	0.327	23.1509	0.56009	-3.4968		0.33718	3.12915	1.60486		-65.491
6	0.3266	37.9066		-2.8784	0.68639	0.13705	5.03678	1.38115	-11.71	
6	0.3238	18.2564	0.58867	-3.6628			3.04966	1.72969	7.84527	-71.832
6	0.3185	26.7482	0.6325	-3.8909		0.2204	3.84855	1.56537	-0.2765	
6	0.3078	2.69718	0.28854	-2.6267	0.39502	0.35815		2.11155		-153.65
6	0.3058	-5.7393		-2.0708	0.52459	0.4368		2.02137	10.1851	-201.25
6	0.3046	-2.4129	0.33947	-2.8528	0.36371			2.22899	9.12893	-158.17
6	0.3036	-6.2909	0.53152	-3.1003		0.43374		2.06401	14.7065	-158.09
6	0.2904	18.6624		-1.9486		0.66392	3.01889	1.15154	18.0203	-159.28
6	0.2586	12.8327	-0.7314		0.84873	0.49937	2.53171	0.92829		-210.01
6	0.2581	10.9699	0.71153	-3.6061	0.14916	0.14741		2.19259	-4.3577	
6	0.2544	45.4481	-0.1997	-1.6158	0.42249	0.51742	5.72141			-75.73
6	0.253	52.1898		-1.9866	0.31895	0.46993	5.83772		-6.7638	-40.549
6	0.251	59.8355	-0.0958	-1.9471	0.45712	0.39421	6.42354		-12.359	
6	0.2474	24.8787	-0.7313		0.96438		2.91306	0.96775	-6.8359	-180.48
6	0.2441	61.822	-0.1715	-1.7001	0.53946		6.3306		-9.6325	-32.725
6	0.2392	48.9756	0.15598	-2.0798		0.57918	5.33496		0.76361	-51.577
6	0.2373	-0.8359	-0.5574		0.723	0.56168		1.32946	3.44662	-249.76
6	0.2242	41.9979	-0.6901		0.745	0.56925	4.62708		-8.0638	-139.15
6	0.193	11.4036	-0.2693			0.74832	1.2482	0.65018	10.1149	-214.4
6	0.1925	52.7645	-0.7038		0.94817	0.23139	4.76745	0.39085	-28.461	
6	0.1609	0.75193			0.05607	0.49383	-0.1487	0.77492	-6.0128	-188.52
6	0.1269	24.4942	-0.1199	-0.2049	0.13158	0.87408			8.22426	-192.62
7	0.3478	17.2148	0.15202	-2.9955	0.49356	0.25972	3.49081	1.65791		-96.734
7	0.3462	17.676		-2.6787	0.59433	0.28566	3.60264	1.59316	0.52172	-110.54
7	0.3444	20.1275	0.1807	-3.098	0.51906		3.60891	1.71584	-0.2215	-86.097
7	0.3339	30.8207	0.30376	-3.4766	0.45328	0.12256	4.45765	1.5629	-8.3292	
7	0.3302	13.1275	0.51691	-3.4843		0.35508	2.89644	1.6568	8.73924	-90.464
7	0.3119	-6.755	0.29021	-2.7273	0.32531	0.38226		2.12103	10.2723	-172.6
7	0.2592	17.4105	-0.7294		0.8786	0.48316	2.67939	0.91296	-4.3037	-198.77
7	0.2562	52.1304	-0.2021	-1.6011	0.47719	0.48943	5.89679		-6.9087	-59.802
8	0.3478	16.2131	0.15337	-3.0016	0.48625	0.26281	3.46015	1.66277	0.95003	-98.986

## LAG 6

Number In Model	RSquare	Intercept	ALK_6	CA_6	CL_6	DOC_6	SIO2_6	SO4_6	TKN_6	TPO4_6
1	0.1285	129.283			-0.5542					
1	0.0682	52.5341								-249.41
1	0.0262	81.0509	-0.1367							
1	0.0226	82.6331		-0.472						
1	0.0135	71.9054							-10.621	
1	0.0058	19.9622				0.55297				
1	0.0054	19.4457					1.13196			
1	0.0004	39.0746						0.0697		
2	0.2222	65.8475			-0.8409	2.59276				
2	0.1654	126.835			-0.4924					-187.6
2	0.1587	109.013			-0.8034				21.7142	
2	0.1526	86.3633			-0.6082		2.4658			
2	0.1346	120.722	0.08484		-0.6509					
2	0.1311	120.532			-0.561			0.17368		
2	0.1298	123.16		0.13615	-0.5882					
2	0.0986	-4.9687					2.87485			-310.87
2	0.084	14.849				0.92425				-271.4
2	0.0717	66.7449	-0.0546							-223.85
2	0.0713	67.6002		-0.1894						-227.7
2	0.0697	41.906							4.25923	-274.53
2	0.0692	46.6302						0.10535		-250.62
2	0.0549	44.0337	-0.2108			1.38329				
2	0.0538	34.9902				1.92044			-26.476	
2	0.0458	47.4161		-0.6991			2.60756			
2	0.0455	50.5043		-0.6859		1.20167				
2	0.0421	47.6777	-0.1693				2.03904			
2	0.0309	74.551		-0.6031				0.33791		
2	0.0298	40.6167					2.14119		-15.505	
2	0.0284	73.728	-0.1433					0.16221		
2	0.0271	84.7413	-0.0999	-0.1657						
2	0.0262	82.1278	-0.1298						-1.0972	
2	0.0242	87.7513		-0.3888					-4.4477	
2	0.0139	68.0114						0.06872	-10.616	
2	0.0086	7.11917				0.43353	0.85606			
2	0.0061	19.4589					1.44426	-0.1154		
2	0.006	17.6376				0.54404		0.04775		
3	0.2941	71.4534			-1.0466				55.7075	-446.53
3	0.271	58.9099			-0.7884	2.76104				-216.13
3	0.2304	44.5853			-0.8539	2.41993	1.46449			
3	0.2236	60.0695			-0.844	2.57741		0.12214		
3	0.2232	65.2441			-0.8754	2.45006			4.38625	
3	0.2228	68.8866		-0.0903	-0.8229	2.63452				
3	0.2225	64.742	0.01793		-0.8581	2.564				
3	0.2174	59.5863			-0.5515		3.8081			-261.58
3	0.192	106.848	0.18974		-0.6875					-252.03
3	0.1766	108.061		0.40721	-0.5827					-222.96
3	0.1695	82.8659			-0.7896		1.74559		17.1757	



3	0.1686	117.289			-0.4994		0.18914		-188.89
3	0.1631	97.1008			-0.82		0.22376	22.3978	
3	0.1591	111.493		-0.0711	-0.7944			22.4805	
3	0.1587	108.895	0.00222		-0.8046			21.6007	
3	0.1551	86.8655			-0.6126	3.03047	-0.2051		
3	0.1549	83.8021	0.05267		-0.6648	2.30759			
3	0.1532	87.862		-0.0913	-0.5886	2.61554			
3	0.1363	114.334	0.0786		-0.6492		0.13928		
3	0.1357	124.865	0.12587	-0.1842	-0.6515				
3	0.1314	118.863		0.06743	-0.5768		0.14662		
3	0.1138	15.586		-0.4448		3.61655			-275.72
3	0.1078	-6.6138				4.10178	-0.4086		-332.41
3	0.1068	11.9866	-0.0855			3.1401			-276.48
3	0.1056	-23.692				0.63811	2.51016		-318.25
3	0.0996	30.4432	-0.1284			1.36178			-221.66
3	0.0986	-4.0598					2.89356	-0.5143	-308.23
3	0.0963	33.6933		-0.4068		1.25597			-232.65
3	0.088	21.2103				1.35942		-9.6599	-224.79
3	0.0844	11.3534				0.91158	0.0716		-271.92
3	0.0798	51.6992	-0.1159					12.4281	-268.41
3	0.0762	55.2751		-0.3029				8.56116	-265.16
3	0.0751	62.6939		-0.2893			0.22952		-218.87
3	0.0734	60.4806	-0.0608				0.1406		-222.55
3	0.0719	68.693	-0.0363	-0.0843					-222.74
3	0.0707	35.4971					0.10943	4.37011	-276.44
3	0.0685	51.6829		-0.4568		2.02053		-20.049	
3	0.068	45.1046	-0.1371			1.95608		-16.709	
3	0.0669	8.2431				1.84752	1.92632		-30.268
3	0.064	22.4282	-0.2277			1.23105	1.56897		
3	0.0627	23.9737		-0.8562		1.04544	2.27369		
3	0.057	37.216	-0.2168			1.3781	0.1541		
3	0.0569	38.6732		-0.8558		1.28783	0.39834		
3	0.0566	48.5041	-0.1619	-0.2259		1.4042			
3	0.0538	35.5117				1.92388	-0.0104	-26.505	
3	0.051	53.3047		-0.5698			2.86196		-8.1028
3	0.0482	50.3391	-0.0741	-0.4633			2.50686		
3	0.0461	47.9664		-0.7131			2.43402	0.07499	
3	0.044	50.0336	-0.137				2.23502		-5.6684
3	0.043	47.7514	-0.1696				2.38199	-0.126	
3	0.0361	44.146					3.2511	-0.3485	-18.061
3	0.0323	77.0445	-0.0596	-0.4003			0.28624		
3	0.0311	76.78		-0.5669			0.32166	-1.5992	
3	0.0284	73.9468	-0.1421				0.16142	-0.1866	
3	0.0272	85.971	-0.092	-0.1674				-1.2145	
3	0.0091	7.66044				0.41485	1.10941	-0.0892	
4	0.321	27.0531			-1.0418		2.78642		50.873
4	0.3191	47.7529			-1.0632	1.5874			40.2656
4	0.3041	52.4285			-1.0779			0.3399	57.588
4	0.2982	16.3223			-0.8008	2.46866	2.81894		-267.87
4	0.2978	66.5712	0.07344		-1.0936				52.8373
4	0.2965	63.9156		0.18994	-1.0766				54.481
4	0.2819	49.9743	0.12391		-0.8978	2.59372			-256.48

4	0.2732	52.1285		0.18676	-0.8218	2.6867				-231.58
4	0.2726	52.4256			-0.7916	2.74447		0.13655		-216.9
4	0.2373	46.2579	0.16536		-0.718		3.57646			-313.23
4	0.2339	47.3108		-0.2362	-0.81	2.48671	1.82438			
4	0.2308	45.1248			-0.8539	2.40129	1.71711	-0.0889		
4	0.2304	44.9132			-0.8623	2.38791	1.43144		1.10408	
4	0.2304	44.5497	0.00137		-0.8551	2.41813	1.46112			
4	0.2284	58.3061			-0.556		5.16098	-0.448		-284.8
4	0.2255	62.8231		-0.1828	-0.8094	2.65292		0.19398		
4	0.2255	70.7983	0.08421	-0.3014	-0.8619	2.59708				
4	0.2248	58.6732			-0.8844	2.41006		0.13686	5.08731	
4	0.2243	69.3797		-0.128	-0.8598	2.46864			5.63484	
4	0.2237	59.5235	0.01287		-0.8562	2.55743		0.1169		
4	0.2232	64.9644	0.00513		-0.8783	2.45046			4.12145	
4	0.2188	56.145		0.15182	-0.5821		3.60661			-270.84
4	0.1931	101.699	0.18419		-0.686			0.11361		-250.92
4	0.1922	109.019	0.21007	-0.0936	-0.6877					-250.81
4	0.1767	107.103		0.38877	-0.58			0.03582		-221.6
4	0.1723	86.0461		-0.213	-0.7603		2.0297		18.7339	
4	0.1695	83.1166	-0.0065		-0.7859		1.75184		17.4903	
4	0.1695	82.9168			-0.7885		1.78001	-0.0106	17.0537	
4	0.1664	100.184		-0.2547	-0.7959			0.33285	25.4773	
4	0.1632	97.432	-0.014		-0.8128			0.23155	23.1382	
4	0.1627	87.0723	0.16146	-0.5214	-0.6698		2.83609			
4	0.1595	112.526	0.03801	-0.1586	-0.8044				21.4817	
4	0.1575	84.2489	0.05407		-0.6707		2.88221	-0.2102		
4	0.1552	87.4871		-0.0396	-0.6038		3.06282	-0.1932		
4	0.1402	117.644	0.16213	-0.3998	-0.6492			0.26314		
4	0.1306	-7.7038		-0.6014		1.04035	3.28308			-275.39
4	0.1242	-9.2976	-0.1404			1.09697	2.68373			-267.07
4	0.1176	11.2388		-0.3748			4.32941	-0.2763		-295.82
4	0.1159	8.64101		-0.5146			3.52352		5.7535	-299.66
4	0.1149	9.29748	-0.0797				4.27579	-0.3841		-299.06
4	0.1139	14.5788	0.0173	-0.4973			3.65036			-278.53
4	0.1134	-23.254				0.57147	3.68004	-0.3769		-337.35
4	0.1119	-17.873				1.16446	2.64713		-12.031	-262.76
4	0.1102	5.26511	-0.1236				2.9643		8.08449	-302.52
4	0.1086	-0.9121					4.30861	-0.4376	-3.292	-317.09
4	0.1023	25.8733		-0.5435		1.31612		0.28986		-221.72
4	0.1011	24.642	-0.134			1.35743		0.13281		-220.44
4	0.1002	33.4168	-0.0978	-0.1443		1.37533				-219.75
4	0.0996	30.8667	-0.1239			1.41282			-1.4738	-216.29
4	0.0976	35.7406		-0.371		1.48038			-5.6303	-208.89
4	0.0925	20.29		-0.6257		1.95512	2.70526			-22.999
4	0.0882	18.7554				1.34001		0.04696	-9.4136	-226.32
4	0.0831	44.2586		-0.4815				0.32261	11.4231	-265.27
4	0.083	41.5846	-0.1304					0.19374	13.6525	-271.02
4	0.0825	17.5067	-0.1433			1.88121	2.02058		-20.244	
4	0.0799	52.9747	-0.1044	-0.0508					12.3438	-267.44
4	0.0767	11.0253				1.9398	3.29906	-0.4344	-34.191	
4	0.0751	62.9749	-0.0059	-0.2701				0.2247		-218.25
4	0.0728	43.9971		-0.5953		1.9667		0.25351	-17.389	

4	0.0705	50.5911	-0.0751	-0.2754		2.00029				-17.254
4	0.0701	25.1224	-0.1332	-0.4598		1.22848	2.03425			
4	0.0686	41.3938	-0.1433			1.93017		0.0829		-16.034
4	0.0647	23.7245		-0.9042		1.12091	1.79443	0.19668		
4	0.0642	22.718	-0.2273			1.21843	1.71735	-0.0527		
4	0.0624	40.1019	-0.1202	-0.4725		1.41693		0.30026		
4	0.0514	53.4521		-0.5346			3.10999	-0.0918		-9.2329
4	0.0512	53.5812	-0.024	-0.5081			2.80041			-7.1809
4	0.0482	50.3507	-0.0736	-0.4658			2.49747	0.00436		
4	0.0466	51.3342	-0.1217				2.96442	-0.2323		-8.4709
4	0.0323	76.7645	-0.061	-0.401				0.28748	0.24356	
5	0.3402	10.8638			-1.0569	1.40283	2.48799			37.7444 -425.87
5	0.3254	34.0859			-1.0871	1.47976		0.27289		42.8225 -403.79
5	0.3238	23.4244	0.06444		-1.0831		2.7453			48.4259 -487.89
5	0.3221	43.6166	0.06663		-1.1055	1.56776				37.8526 -402.37
5	0.3211	27.2157			-1.0381		2.90967	-0.038	50.449	-478.35
5	0.321	26.8969		0.00784	-1.0431		2.77669		50.8392	-478.52
5	0.3201	43.4791		0.12104	-1.0819	1.55195			39.829	-399.27
5	0.3072	9.75525	0.11213		-0.8994	2.32767	2.71836			-302.54
5	0.3059	50.4631	0.05258		-1.109			0.31256	55.3817	-465
5	0.3042	16.5384			-0.7974	2.4022	3.84795	-0.3319		-284.91
5	0.3041	52.3721		0.00346	-1.0783			0.33846	57.5577	-457.74
5	0.2982	16.2211		0.00565	-0.8018	2.46712	2.81205			-268.22
5	0.2978	65.4562	0.06349	0.04477	-1.0943				52.9371	-459.1
5	0.2833	54.361	0.1691	-0.2106	-0.9	2.61652				-253.78
5	0.2826	45.9866	0.11962		-0.8962	2.58853		0.09048		-255.59
5	0.2737	49.8334		0.1448	-0.8162	2.69364		0.08042		-228.56
5	0.2518	43.5977	0.18007		-0.7379		5.11437	-0.5161		-344.58
5	0.2465	49.4841	0.28411	-0.5646	-0.7239		4.1594			-315.86
5	0.2384	47.8043	0.11208	-0.5311	-0.8607	2.42283	1.99779			
5	0.2347	50.1853		0.34239	-0.6262		5.08662	-0.5738		-312.22
5	0.2342	48.2948		-0.2498	-0.8287	2.40982	1.76177		2.78415	
5	0.2339	47.3545		-0.2318	-0.8108	2.48217	1.86209	-0.0157		
5	0.2308	45.0651	0.00239		-0.8561	2.39808	1.71232	-0.0893		
5	0.2308	45.1229			-0.8538	2.40151	1.71758	-0.089	-0.008	
5	0.2305	62.878	0.12284	-0.5324	-0.8601	2.6066		0.28143		
5	0.2304	44.997	-0.0021		-0.8611	2.38766	1.43346		1.206	
5	0.2284	61.7927		-0.2647	-0.8595	2.41538		0.25003	8.24946	
5	0.226	70.8154	0.07123	-0.2927	-0.8792	2.49796			3.56317	
5	0.2248	58.8025	-0.0047		-0.882	2.40892		0.13952	5.34411	
5	0.1946	103.993	0.23524	-0.2525	-0.6854			0.19225		-246.87
5	0.1747	85.8757	0.08833	-0.4308	-0.78		2.23478		16.0342	
5	0.1727	86.1028		-0.2485	-0.7653		1.75763	0.09872	20.1249	
5	0.1695	83.1329	-0.0062		-0.7855		1.7711	-0.0061	17.4049	
5	0.1684	100.833	0.08082	-0.4659	-0.8172			0.3784	23.7639	
5	0.163	86.9653	0.15301	-0.4784	-0.6716		3.00146	-0.0764		
5	0.1323	-5.6164		-0.5612		1.29893	3.3057		-6.525	-248.15
5	0.1318	-8.839		-0.5517		0.97892	3.71442	-0.1595		-287.01
5	0.1311	-6.6539	-0.0383	-0.493		1.09317	3.19122			-269.13
5	0.1294	-9.8473	-0.1315			1.01269	3.64154	-0.3121		-286.13
5	0.1246	-8.6872	-0.1298			1.21577	2.71056		-3.5066	-254.76
5	0.1238	-15.435				1.24974	4.17956	-0.4794	-15.918	-269.13

5	0.1182	8.09453		-0.4253		4.15872	-0.2302	3.2053	-305.8	
5	0.1177	11.7484	-0.0113	-0.338		4.33181	-0.2858		-294.67	
5	0.1161	8.90248	-0.0217	-0.4587		3.46758		6.58557	-299.59	
5	0.1158	5.9936	-0.1009			4.0487	-0.3393	4.35113	-310.44	
5	0.1039	27.0495	-0.0659	-0.3427	1.3861		0.23935		-214.93	
5	0.1025	27.2588		-0.5193	1.41575		0.27336	-2.5858	-211.44	
5	0.1011	24.7079	-0.1335		1.36234		0.13223	-0.1415	-219.93	
5	0.1004	34.1941	-0.0896	-0.1531	1.44798			-2.0739	-212.08	
5	0.0936	20.1434		-0.5629	1.97957	3.15149	-0.166	-25.228		
5	0.0925	20.4468	-0.0104	-0.5988	1.95295	2.67866		-22.582		
5	0.0874	18.2022	-0.1226		1.94378	3.01022	-0.3175	-24.558		
5	0.0849	44.043	-0.0742	-0.2794			0.2811	13.7406	-266.87	
5	0.0736	44.1136	-0.0512	-0.4561	1.95893		0.22511	-15.781		
5	0.0705	24.9197	-0.1232	-0.5119	1.25031	1.82688	0.09242			
5	0.0517	53.7967	-0.0286	-0.4576		3.06307	-0.1016	-8.2558		
6	0.3426	7.69285	0.05937		-1.0948	1.38791	2.45328	35.6295	-435.37	
6	0.3405	11.0648			-1.0491	1.41551	2.74864	-0.0812	36.7196	-425.74
6	0.3403	11.5472		-0.0389	-1.0508	1.41077	2.53458		37.8376	-423.91
6	0.3271	32.2531	0.05056		-1.117	1.47515		0.24681	40.7469	-411.09
6	0.3267	25.8667	0.1347	-0.3213	-1.0768		3.09916		47.1406	-484.75
6	0.3255	34.5864		-0.034	-1.0831	1.48421		0.28689	43.0765	-402.16
6	0.3242	23.5253	0.06952		-1.0775		3.03566	-0.0905	47.2226	-489.05
6	0.3223	45.0447	0.08128	-0.0662	-1.1046	1.58284			37.5608	-400.39
6	0.3211	26.7457		0.02608	-1.0411		2.91477	-0.0495	50.2078	-479.52
6	0.3165	12.9592	0.23243	-0.5724	-0.9057	2.33195	3.30783			-305.19
6	0.3152	9.2347	0.12533		-0.907	2.2335	3.90772	-0.3875		-326.51
6	0.3078	52.9193	0.10882	-0.2792	-1.109			0.39984	55.4695	-460.86
6	0.3053	14.0564		0.14058	-0.8213	2.35318	3.84421	-0.386		-296.17
6	0.2861	48.732	0.19647	-0.3844	-0.8981	2.62329		0.2099		-249.48
6	0.2545	45.9946	0.24718	-0.3322	-0.7377		5.16913	-0.4194		-340.25
6	0.2387	47.6357	0.11978	-0.572	-0.8603	2.43952	1.83468	0.0727		
6	0.2385	47.46	0.11623	-0.537	-0.8557	2.4488	2.02728		-1.026	
6	0.2343	48.3559		-0.2587	-0.8298	2.40683	1.69415	0.02466	3.15141	
6	0.2319	62.1466	0.10543	-0.5404	-0.8881	2.44635		0.30841	5.79336	
6	0.2308	45.0094	0.00292		-0.8552	2.40219	1.72179	-0.0912	-0.1798	
6	0.1755	85.9404	0.09573	-0.4983	-0.7886		1.87381	0.13721	17.7416	
6	0.1351	-6.4659		-0.4626		1.3209	4.00918	-0.2563	-9.5695	-254.12
6	0.1329	-7.5971	-0.0556	-0.3824		1.04033	3.68761	-0.1989		-280.82
6	0.1324	-5.4264	-0.0131	-0.5273		1.29601	3.27241		-5.9949	-248.22
6	0.1315	-8.5339	-0.1048			1.27316	3.90714	-0.3782	-8.2146	-261.32
6	0.1185	8.45909	-0.0325	-0.3374			4.10592	-0.2414	4.32609	-305.99
6	0.1039	27.2502	-0.0645	-0.3432		1.40086		0.23777	-0.4232	-213.4
6	0.0937	20.4084	-0.018	-0.5143		1.97672	3.12187	-0.172	-24.589	
7	0.3469	10.0362	0.14588	-0.3966	-1.0875	1.44711	2.87756		33.4973	-429.25
7	0.3434	7.62748	0.06668		-1.0869	1.40658	2.87048	-0.1313	33.712	-436.34
7	0.3405	11.2463		-0.011	-1.0479	1.41701	2.74632	-0.0764	36.807	-425.2
7	0.33	34.8332	0.12063	-0.3481	-1.1172	1.51423		0.35389	40.4686	-404.5
7	0.3267	25.8749	0.13486	-0.3229	-1.0769		3.09096	0.00308	47.1754	-484.7
7	0.3196	11.7978	0.21088	-0.4276	-0.9093	2.26743	3.95988	-0.261		-320.66
7	0.2387	47.6108	0.12001	-0.572	-0.8599	2.44135	1.83889	0.07185	-0.08	
7	0.1353	-6.1349	-0.0248	-0.3954		1.31611	3.96943	-0.2647	-8.6678	-254.45
8	0.3469	9.96654	0.14482	-0.3866	-1.0864	1.44852	2.93177	-0.0204	33.2528	-429.56

MULTIVARIATE  
SURFACE WATER  
LOG Mosquitofish THg vs Y  
POOLED STATIONS

LAG 0

Number In Model	RSquare	Intercept	LALK_0	LCA_0	LCL_0	LDOC_0	LSIO2_0	LSO4_0	LTKN_0	LTPO4_0
1	0.1589	-41.498								-23.978
1	0.0966	-198.03						62.5103		
1	0.0197	92.5339		-0.4962						
1	0.0116	-87.357			27.9004					
1	0.0063	177.002	-22.011							
1	0.0051	-26.78					26.6552			
1	0.0046	32.5878							21.4428	
1	0.0004	71.3037				-4.63				
2	0.2327	-168.38							96.0579	-32.015
2	0.196	-190.47						40.8766		-20.028
2	0.1822	-246.84			39.7925					-24.995
2	0.1813	-125.04		0.6885						-31.469
2	0.1646	-110.85				17.167				-25.08
2	0.1607	-112.45	12.1168							-24.763
2	0.1599	-75.053					11.3495			-23.79
2	0.1087	-244.74						65.4734	35.1817	
2	0.1081	-38.793	-29.812					64.4089		
2	0.1048	-313.04			23.533			61.5068		
2	0.1025	-163.04		-0.2771				59.1961		
2	0.0987	-157.59					-18.083	66.0377		
2	0.0968	-185.87				-3.1476		62.4486		
2	0.0659	-203.37		-0.9736	65.863					
2	0.0463	59.9048		-0.8434					60.4432	
2	0.0382	76.2969	-53.789		55.0727					
2	0.0265	283.718	-50.957						55.9674	
2	0.0238	18.9444		-0.4847			24.0508			
2	0.0223	170.253	-14.427	-0.4573						
2	0.0198	85.3753		-0.5031		2.0337				
2	0.0147	-140.99			25.7782		21.2974			
2	0.0146	-61.401			32.3057	-12.747				
2	0.0137	101.339	-26.149				32.6975			
2	0.0117	-95.185			30.2641				-4.1781	
2	0.0084	-35.765					23.5397		18.6168	
2	0.0063	176.116	-22.196			0.50637				
2	0.0062	-4.7097				-7.6992	28.9935			
2	0.0058	60.039				-7.822			23.6185	
3	0.2685	-313.95						40.221	95.2908	-28.065
3	0.2479	44.027	-42.552						123.887	-31.586
3	0.2366	-76.796			-23.672				119.201	-33.347
3	0.2364	-194.56		0.30072					88.2571	-34.635
3	0.2349	-210.24				10.9313			94.3132	-32.571
3	0.2334	-139.82					-10.592		98.1458	-32.366
3	0.2186	-275.13		0.69296				41.037		-27.553

3	0.214	-362.44			35.2797			38.1091		-21.197
3	0.2001	-246.53				14.6109		40.0648		-21.045
3	0.1975	-154.6					-16.047	44.0508		-19.987
3	0.196	-194.37	0.73365					40.767		-20.086
3	0.1874	-223.79		0.41671	25.528					-29.164
3	0.1853	-180.72		0.66471		14.5				-32.142
3	0.1844	-192.19	-16.179		47.5611					-24.145
3	0.1834	-266.33			37.1954	8.14379				-25.451
3	0.1827	-188.41	10.9228	0.68371						-32.125
3	0.1822	-252.56			39.5327		2.38733			-24.949
3	0.182	-154.95		0.68599			10.221			-31.273
3	0.1652	-148.34	7.34306			15.8054				-25.469
3	0.1648	-124.55				16.4522	5.61197			-24.941
3	0.1612	-129.19	10.7409				8.38802			-24.535
3	0.1572	96.7106	-77.468					74.9957	89.6669	
3	0.139	-136.79	-61.038		54.1841			64.0867		
3	0.132	-201.84		-0.6387				60.229	63.6142	
3	0.1282	-358.97		-0.6655	50.1298			52.4121		
3	0.1135	-187.44					-28.383	71.4017	39.8331	
3	0.1109	-33.056	-26.241	-0.1965				61.8309		
3	0.11	-216.32					-8.1366	65.5051	37.4515	
3	0.109	-269.77			6.70719			64.6954	29.3403	
3	0.109	-18.78	-28.579				-11.894	66.6505		
3	0.1084	-46.665	-31.345			4.15682		64.588		
3	0.1081	-270.63			25.5423		-23.35	65.9758		
3	0.1067	-291.49			27.0002	-9.9623		61.1636		
3	0.1043	-125.07		-0.2727			-17.225	62.6085		
3	0.1025	-164.64		-0.2787		0.46641		59.1859		
3	0.1016	-22.868	-62.615	-1.0576	100.768					
3	0.0987	-153.94				-1.197	-17.646	65.929		
3	0.0778	366.731	-61.6	-0.9435					106.805	
3	0.0682	-168.45		-1.0236	55.4706				21.8135	
3	0.0674	-183.48		-0.9624	68.5761	-9.1139				
3	0.0663	-222.11		-0.9601	64.5296		8.08479			
3	0.0474	22.9019		-0.8235			12.5212		58.0189	
3	0.0464	65.8119		-0.8392		-1.7219			60.7282	
3	0.0438	12.7945	-56.574		53.6318		28.5812			
3	0.041	143.13	-60.471		44.4057				24.8208	
3	0.039	85.3129	-52.22		56.6206	-6.7723				
3	0.0327	211.233	-53.935				30.0176		54.3816	
3	0.0279	104.449	-18.452	-0.4327			28.5939			
3	0.0265	284.527	-50.808			-0.4391			55.989	
3	0.0238	21.0281		-0.4818		-0.8228	24.3163			
3	0.0228	160.712	-16.145	-0.4707		5.3411				
3	0.0188	-119.47			30.5906	-14.945	24.8362			
3	0.0149	-152.31			28.95		21.5849		-5.6569	
3	0.0147	-69.821			34.8816	-12.782			-4.5318	
3	0.0138	104.122	-25.388			-2.2705	33.2114			
3	0.0105	-7.5609				-10.265	26.2336		21.1487	
4	0.2983	-40.359	-61.239					49.0885	135.171	-26.575
4	0.2788	-230.78					-41.9	48.4536	103.393	-28.642
4	0.2762	-193.79			-33.293			42.609	127.795	-29.703

4	0.2725	-341.36		0.30949				40.3479	87.2602	-30.748
4	0.2698	-344.52				8.41814		39.7625	93.956	-28.538
4	0.2537	4.61829	-48.374			17.8828			124.84	-32.436
4	0.2499	-24.179		0.67714	-52.511				129.831	-40.867
4	0.2494	14.4081	-39.949	0.19092					117.231	-33.275
4	0.249	78.7772	-39.618		-12.768				134.451	-32.333
4	0.2481	54.5878	-42.022				-4.8994		124.505	-31.753
4	0.2414	-109.12			-31.796	16.6497			124.486	-34.651
4	0.2384	-232.89		0.28984		10.2584			86.9019	-35.062
4	0.2373	-49.106			-23.588		-10.392		121.167	-33.686
4	0.237	-168.88		0.2942			-9.3139		90.2621	-34.886
4	0.2364	-177.04				12.6335	-14.73		96.9449	-33.145
4	0.2215	-339.15		0.50201	17.9199			39.5871		-26.073
4	0.2213	-318.36		0.67339		11.8895		40.3719		-28.168
4	0.2206	-276.68	-28.247		48.466			41.2915		-19.396
4	0.2205	-236.65		0.69763			-17.47	44.4939		-27.559
4	0.2186	-272.1	-0.5764	0.69323				41.1231		-27.51
4	0.2174	-319.56			37.3162		-23.618	42.6212		-21.205
4	0.2148	-377.86			33.1665	6.70301		37.9024		-21.594
4	0.203	-206.72				17.1671	-22.197	44.3137		-21.166
4	0.2002	-228.75	-3.8373			15.2883		40.6		-20.788
4	0.1976	-167.28	2.61739				-16.593	43.7681		-20.193
4	0.1892	-246.68		0.44491	21.3053	10.2135				-30.019
4	0.1883	175.29	-83.975	-0.7429				69.6955	127.314	
4	0.1877	-204.24	-6.5784	0.36833	30.3428					-28.335
4	0.1876	-235.47		0.42396	24.7306		5.0456			-29.139
4	0.186	-209.82	-17.667		45.2573	9.46393				-24.597
4	0.1859	-216.2	6.96723	0.66377		13.2119				-32.5
4	0.1855	-193.99		0.66451		13.8078	5.44104			-32.005
4	0.1846	-202.36	-16.913		47.3386		5.2809			-24.004
4	0.1834	-266.51			37.1893	8.13485	0.08163			-25.449
4	0.1831	-203.35	9.68564	0.6824			7.55642			-31.906
4	0.1679	-173.47	-66.122	-0.7441	86.4737			54.1332		
4	0.1653	-155.59	6.79627			15.3832	4.11091			-25.338
4	0.1611	145.406	-76.789				-25.601	80.2595	93.3848	
4	0.1609	29.8008	-81.601		22.8184			72.8568	72.7007	
4	0.1574	90.4224	-78.609			3.23984		75.1233	89.5655	
4	0.1406	-110.5	-59.784		54.9716		-16.472	67.1863		
4	0.1391	-132.46	-60.344		54.8557	-2.9306		63.9564		
4	0.1388	-130.64		-0.6697			-34.233	67.1245	70.6055	
4	0.1372	-299.83		-0.7442	28.1653			56.0954	43.7822	
4	0.1326	-311.25		-0.6816	53.0849		-26.885	57.3383		
4	0.1322	-190.1		-0.6298		-3.534		60.3158	64.2037	
4	0.1293	-341.3		-0.6567	52.5235	-7.8883		52.2606		
4	0.1197	139.565	-82.017	-1.236	79.8832				66.5403	
4	0.1141	-171.1				-5.6818	-26.644	71.0605	41.1331	
4	0.1138	-211.04			6.25956		-28.259	70.6497	34.3612	
4	0.1118	-12.75	-24.976	-0.1973			-12.054	64.0919		
4	0.1116	-44.313	-28.242	-0.2118		6.17997		61.8968		
4	0.1107	-249.69			10.3129	-9.5973		64.3145	28.8773	
4	0.1095	-26.395	-30.417			5.4306	-13.48	67.1833		
4	0.1093	-257.8			28.0948	-7.919	-20.984	65.2501		

4	0.1044	-131.68		-0.2812		2.50019	-18.112	62.7295		
4	0.1032	-54.621	-63.906	-1.0337	98.9653		15.2992			
4	0.1017	-20.436	-62.212	-1.055	101.034	-1.646				
4	0.0802	318.746	-63.162	-0.916			18.87		104.327	
4	0.0791	353.112	-64.821	-0.9697		8.64588			107.798	
4	0.0696	-150.2		-1.0115	58.3409	-8.7652			21.2656	
4	0.0685	-184.27		-1.0113	54.7844		6.30894		21.0698	
4	0.0682	-206.1		-0.9432	67.1126	-10.135	10.7165			
4	0.0476	30.9225		-0.8143		-3.1579	13.4731		58.3573	
4	0.0465	78.606	-63.028		43.2876		28.1867		24.1159	
4	0.0454	20.7557	-54.631		55.6366	-9.1967	30.5087			
4	0.0416	148.388	-58.871		46.1368	-5.828			23.8922	
4	0.0329	215.109	-52.993			-2.9796	30.6864		54.4922	
4	0.028	101.202	-19.223	-0.4401		2.69236	27.9148			
4	0.019	-132			34.1588	-15.024	25.1759		-6.3187	
5	0.3073	30.9271	-59.855				-39.027	56.556	141.816	-27.146
5	0.3039	-78.573	-66.867			17.4462		48.9532	136.07	-27.419
5	0.3008	10.5833	-57.121		-19.212			49.8702	151.246	-27.621
5	0.2992	-63.029	-59.115	0.14886				48.842	129.926	-27.918
5	0.2944	-139.55		0.79716	-67.878			45.4166	140.875	-38.316
5	0.2872	-101.84			-34.892		-43.413	51.2534	137.75	-30.379
5	0.2821	-258.44		0.2828			-40.578	48.3098	95.799	-31.075
5	0.282	-269.98				13.2125	-46.324	48.6031	102.153	-29.445
5	0.2804	-223.22			-40.836	15.602		42.3002	132.685	-30.951
5	0.2736	-368.62		0.30122		7.70858		39.9246	86.2523	-31.11
5	0.2575	-59.292		0.75097	-65.923	21.044			137.669	-43.335
5	0.2567	56.5486	-44.457		-21.8	21.2405			143.055	-33.873
5	0.2548	68.7067	-27.329	0.4914	-37.079				137.435	-38.105
5	0.2547	-18.043	-46.018	0.15603		17.1821			119.364	-33.784
5	0.2544	24.545	-47.606			18.9691	-10.355		126.206	-32.842
5	0.2503	-5.4994		0.66923	-52.116		-7.2408		131.076	-41.015
5	0.2495	24.2223	-39.495	0.18908			-4.42		117.854	-33.41
5	0.2492	90.3032	-39.027		-12.889		-5.1954		135.206	-32.518
5	0.2432	-69.299			-32.665	18.7059	-16.441		128.248	-35.348
5	0.2396	-202.18		0.27892		11.8149	-13.25		89.5486	-35.484
5	0.2243	-277.99		0.67515		14.4867	-22.614	44.7014		-28.31
5	0.2243	-301.71		0.48015	20.5027		-21.186	43.5703		-25.867
5	0.2239	-288.75	-18.64	0.36861	31.2345			41.2944		-23.589
5	0.2231	-244.74	-26.48		49.4132		-20.55	45.0184		-19.515
5	0.223	-358.93		0.52669	14.1988	9.09699		39.3793		-26.851
5	0.2219	-292.81	-29.594		46.3236	8.79011		41.1723		-19.83
5	0.2215	-298.41	-4.3222	0.6741		12.6497		40.9751		-27.886
5	0.2205	-243.53	1.43355	0.69706			-17.768	44.3387		-27.666
5	0.219	-336.09			34.5934	9.40707	-26.435	42.8695		-21.762
5	0.2059	42.0738	-95.466	-0.9562	53.1257			63.194	98.6234	
5	0.203	-197.95	-2.0091			17.4867	-21.893	44.5356		-21.03
5	0.1944	239.345	-83.372	-0.7712			-32.1	76.0933	133.412	
5	0.1902	158.67	-87.845	-0.7734		10.229		69.8805	128.543	
5	0.1896	-224.54	-7.6887	0.38924	26.8023	10.529				-29.076
5	0.1892	-251.61		0.44763	21.0329	9.9669	2.36907			-29.987
5	0.1879	-215.84	-7.3281	0.37139	29.9481		5.96976			-28.21
5	0.186	-214.81	-18.02		45.2064	9.17634	2.86948			-24.507



5	0.186	-223.28	6.43251	0.6637		12.7993	4.02053			-32.372
5	0.1703	-142.33	-64.682	-0.7542	87.8606		-19.821	57.7275		
5	0.1679	-173.62	-66.146	-0.7442	86.4576	0.09572		54.1357		
5	0.1646	78.9801	-80.839		22.2717		-25.013	78.0509	76.7397	
5	0.1617	137.416	-78.779			5.77962	-27.299	80.8361	93.4504	
5	0.1609	29.3129	-81.744		22.665	0.48312		72.8903	72.7997	
5	0.1442	-229.25		-0.7771	28.5645		-34.604	63.007	50.5682	
5	0.1407	-108.97	-59.467		55.2888	-1.4681	-16.07	67.0454		
5	0.1388	-130.4		-0.6694		-0.0929	-34.203	67.1205	70.6147	
5	0.1381	-284.64		-0.7354	30.5754	-7.0931		55.916	43.2686	
5	0.1331	-302.13		-0.6746	54.5351	-5.3737	-25.243	56.9343		
5	0.1207	112.383	-82.725	-1.2147	78.7996		11.901		65.5236	
5	0.1198	137.838	-82.611	-1.2402	79.4375	1.90103			66.9832	
5	0.1146	-200.96			8.92393	-6.9992	-26.063	69.9093	33.6335	
5	0.1128	-22.792	-27.194	-0.2162		7.57143	-14.28	64.5901		
5	0.1034	-51.598	-63.22	-1.0278	99.3731	-3.0507	16.0139			
5	0.081	312.498	-65.601	-0.9398		6.95663	17.0181		105.369	
5	0.0702	-170.68		-0.9931	57.6576	-9.6298	8.88587		20.1641	
5	0.0477	82.0415	-60.921		45.6692	-8.252	29.9384		22.7572	
6	0.316	-4.7402	-66.767			22.2069	-46.13	57.743	144.17	-28.324
6	0.3102	89.067	-55.282		-21.144		-40.162	57.6337	159.701	-28.313
6	0.3089	-12.548	-62.167		-28.52	21.829		50.0797	160.159	-29.183
6	0.3079	10.7599	-58.07	0.12637			-38.522	56.2502	137.277	-28.279
6	0.307	-0.0542	-44.508	0.50693	-44.314			50.0522	154.385	-33.558
6	0.3044	-53.794		0.77361	-68.375		-41.248	53.5469	149.947	-38.704
6	0.3044	-94.892	-65.067	0.11454		16.9334		48.7675	132.008	-28.427
6	0.3017	-173.55		0.86908	-80.963	20.614		45.2619	148.515	-40.742
6	0.2951	-126.47			-45.693	21.7515	-51.163	52.3662	146.344	-32.24
6	0.285	-293.74		0.26669		12.428	-44.815	48.4586	95.0654	-31.693
6	0.2638	43.4492	-31.222	0.54588	-49.583	23.0681			147.11	-40.417
6	0.2588	-25.376		0.74146	-66.245	22.7724	-14.264		140.767	-43.83
6	0.2576	81.5596	-43.417		-22.664	22.6248	-11.927		145.35	-34.397
6	0.2553	1.64958	-45.388	0.14981		18.2342	-9.7638		120.87	-34.112
6	0.2549	78.7474	-26.86	0.48967	-37.098		-4.5099		138.08	-38.245
6	0.2265	-320.9		0.50797	16.1948	11.5175	-24.495	43.9293		-26.82
6	0.2262	-257.63	-17.201	0.35846	32.6219		-19.81	44.887		-23.588
6	0.2256	-307.47	-19.64	0.38817	27.9186	9.85249		41.1609		-24.298
6	0.2252	-260.19	-27.909		46.8544	11.0964	-23.708	45.4407		-20.081
6	0.2244	-267.27	-2.466	0.67553		14.8775	-22.241	44.9741		-28.147
6	0.2121	106.35	-94.905	-0.9858	53.3539		-32.498	69.6433	104.674	
6	0.2065	36.4647	-97.307	-0.9673	51.6714	5.69655		63.475	100.093	
6	0.1978	225.541	-88.595	-0.8171		14.0294	-36.606	77.245	135.954	
6	0.1897	-230.36	-8.0714	0.39029	26.6936	10.1987	3.32472			-28.983
6	0.1704	-144.55	-65.134	-0.7573	87.5632	2.00413	-20.383	57.8809		
6	0.1648	77.7059	-81.713		21.2781	3.06513	-25.939	78.4552	77.517	
6	0.1445	-223.87		-0.7714	29.7874	-3.6393	-33.417	62.6777	50.0717	
6	0.1207	112.106	-82.966	-1.2169	78.6284	0.80827	11.701		65.729	
7	0.3227	78.3133	-61.253		-33.418	27.7092	-49.685	59.7403	173.02	-30.461
7	0.3164	-26.362	-48.596	0.56301	-57.205	23.7165		50.3	164.417	-35.912
7	0.3162	-16.55	-65.543	0.07797		21.8127	-45.692	57.5332	141.328	-29.002
7	0.3161	77.4061	-43.019	0.49408	-45.578		-39.501	57.6832	162.621	-34.089
7	0.316	-78.508		0.86126	-85.396	26.638	-50.494	55.1696	161.854	-41.926

7	0.2647	68.0138	-30.234	0.54457	-50.364	24.4216	-11.699		149.352	-40.915
7	0.2287	-275.26	-18.182	0.38073	28.7909	12.0894	-23.204	45.3389		-24.458
7	0.2137	103.015	-97.904	-1.0071	50.9636	9.44573	-35.514	70.7077	107.672	
8	0.3302	64.3545	-47.738	0.56074	-61.976	29.5761	-49.575	59.9385	177.232	-37.16

LAG 1

Number	RSquare	Intercept	LALK_1	LCA_1	LCL_1	LDOC_1	LSIO2_1	LSO4_1	LTKN_1	LTPO4_1
In Model										
1	0.2532	-64.211								-27.759
1	0.0873	366.269	-58.328							
1	0.0572	91.0145		-0.5961						
1	0.0491	114.285						-19.138		
1	0.0411	240.736			-40.024					
1	0.0345	212.611				-46.193				
1	0.0142	63.0299							-22.641	
1	0.0092	75.7129					-11.443			
2	0.2866	-2.7215						-15.816		-26.963
2	0.2625	60.585	-20.869							-25.351
2	0.2618	-89.559							19.2999	-30.024
2	0.2556	-46.994					-5.7864			-27.505
2	0.2542	-29.893			-6.4756					-27.135
2	0.254	-35.781				-7.2305				-27.25
2	0.2536	-58		-0.0529						-27.242
2	0.123	366.561	-51.495	-0.4791						
2	0.1114	520.1	-93.055						44.6373	
2	0.1075	162.941		-0.6019				-19.354		
2	0.1062	375.509	-104.82			67.766				
2	0.0915	356.845	-76.301		22.1007					
2	0.0912	268.008		-0.5598	-36.525					
2	0.0901	255.134		-0.5873		-45.052				
2	0.0891	373.877	-62.583				5.68054			
2	0.0879	351.392	-53.663					-2.9596		
2	0.078	117.635		-0.6333					-27.605	
2	0.0739	138.116		-0.6398			-15.556			
2	0.0536	184.125			-18.398			-13.513		
2	0.0517	105.306					7.72082	-22.571		
2	0.0505	150.612				-13.305		-15.794		
2	0.05	115.83						-21.244	7.26941	
2	0.0432	279.264			-50.136				13.1482	
2	0.0418	240.664			-38.024		-3.4859			
2	0.0415	243.365			-33.073	-10.076				
2	0.0412	312.397				-80.639			30.5943	
2	0.0346	213.051				-46.591	0.36146			
2	0.0146	69.5433					-3.4567		-18.93	
3	0.3691	-21.649						-38.01	80.1152	-35.25
3	0.3128	259.454	-68.47						65.3124	-27.525
3	0.3119	-187.42				61.92		-30.932		-30.565
3	0.3075	-184.18			43.7257			-28.745		-30.529
3	0.3014	208.725				-97.811			85.0219	-30.848
3	0.293	-17.985					12.1412	-21.182		-27.227
3	0.2893	-81.828	16.2903					-20.524		-28.606
3	0.2874	6.99921		-0.0787				-15.939		-26.189
3	0.2866	-53.081					-26.325		51.167	-32.607
3	0.2798	84.1104			-39.562				46.7054	-29.426
3	0.2729	73.8629	-56.307			50.5164				-24.821

3	0.2678	49.162	-40.768		24.6088					-25.428
3	0.2629	66.944	-20.88	-0.0536						-24.827
3	0.2625	59.2912	-20.324				-0.6613			-25.385
3	0.262	-95.631		0.04016					20.332	-30.538
3	0.2564	-35.204		-0.0826			-6.4894			-26.667
3	0.2558	-30.657			-3.4533		-5.1262			-27.201
3	0.2556	-44.499				-0.7761	-5.5993			-27.458
3	0.2547	-20.62		-0.0608	-6.8778					-26.502
3	0.2545	-24.721		-0.0651			-8.1002			-26.553
3	0.2542	-29.493			-5.5772	-1.3128				-27.129
3	0.1316	464.995	-75.041	-0.3871					28.5787	
3	0.131	372.745	-83.717	-0.4147		45.6333				
3	0.1268	328.985	-39.278	-0.5091				-7.4791		
3	0.1249	360.283	-63.638	-0.4661	14.7045					
3	0.1231	365.786	-51.022	-0.4818			-0.5797			
3	0.1158	496.257	-84.059					-8.1854	49.6575	
3	0.1144	545.467	-94.805				-8.9007		55.4573	
3	0.1138	483.441	-105.54			31.6865			32.746	
3	0.1123	327.591	-99.047			82.1577		-9.9234		
3	0.1115	513.394	-95.843		4.7294				43.2766	
3	0.1089	201.894		-0.5905	-10.505			-16.138		
3	0.1082	189.815		-0.5993		-9.9217		-16.86		
3	0.1076	160.393		-0.597			1.84792	-20.174		
3	0.1075	162.92		-0.6022				-19.299	-0.1895	
3	0.1064	378.85	-103.25		-6.2111	72.8459				
3	0.1062	375.618	-104.81			67.6636	0.09138			
3	0.0957	269.265		-0.5892	-31.369		-8.6666			
3	0.0939	323.309	-71.276		27.9			-6.1797		
3	0.0936	364.683	-81.37		22.7518		6.05956			
3	0.093	274.097		-0.5704	-21.717	-21.369				
3	0.0917	344.385	-54.515				9.26587	-6.8226		
3	0.0915	249.71		-0.6037		-39.049	-5.4304			
3	0.0912	261.647		-0.5646	-34.764				-2.2504	
3	0.0908	287.557		-0.5712		-56.679			10.2988	
3	0.08	131.908		-0.6431			-7.1255		-20.033	
3	0.0595	240.02			-31.862			-15.922	22.5203	
3	0.0581	255.426				-49.145		-16.264	32.7009	
3	0.0553	170.18			-16.677		6.3725	-16.873		
3	0.0539	178.65			-23.606	9.24557		-14.244		
3	0.0538	149.132				-16.502	8.78135	-18.895		
3	0.0518	106.293					7.20574	-22.87	1.82309	
3	0.0492	335.544			-57.458		-13.109		32.4468	
3	0.0477	339.399			-32.153	-44.527			29.7064	
3	0.0432	335.774				-83.746	-7.3072		40.4895	
3	0.0419	241.836			-35.272	-4.4472	-2.935			
4	0.3791	-62.414		0.3056				-41.055	92.8382	-39.575
4	0.375	105.597	-26.692					-33.078	90.1605	-33.598
4	0.374	-8.9645					-12.154	-35.683	91.1049	-36.123
4	0.3728	73.5731				-33.253		-34.547	96.918	-35.054
4	0.3697	-54.024			7.98059			-39.498	76.9672	-35.575
4	0.3423	315.85	-71.712					-28.776	102.325	-30.23
4	0.3386	301.969				-113.55	-32.652		135.124	-34.184

4	0.3227	270.145	-79.933	0.31574				81.1283	-31.143
4	0.3226	218.009			-58.627		-36.233	103.774	-32.693
4	0.3194	-231.78			50.0847		16.8704	-38.082	-31.415
4	0.3176	-111.88	-31.945			88.6004		-28.212	-28.896
4	0.3168	299.006	-50.888			-42.358		81.9586	-28.524
4	0.3153	-188.99				58.6891	8.91229	-34.083	-30.571
4	0.3143	-218.14			20.1654	44.1623		-32.56	-31.177
4	0.3128	261.604	-67.526		-1.5861			65.7766	-27.536
4	0.312	-185.5		-0.0102		61.6987		-30.894	-30.452
4	0.3086	-150.76	-12.634		50.457			-27.084	-29.804
4	0.3078	-176.43		-0.0494	43.3306			-28.706	-30.01
4	0.3072	208.52		0.23525		-109.41		98.8586	-33.953
4	0.3014	207.942			0.84847	-98.776		85.0823	-30.869
4	0.2955	-93.86	15.6735				11.9529	-25.629	-28.804
4	0.2931	-13.407		-0.0332			11.7605	-21.066	-26.892
4	0.2902	-73.52	16.767	-0.086				-20.797	-27.808
4	0.2872	-63.218		0.06927			-26.567	53.2405	-33.516
4	0.2819	77.0402		0.13785	-42.699			52.4205	-31.141
4	0.2743	65.1564	-56.007			56.2211	-5.2162		-25.028
4	0.2732	68.9218	-57.969		7.25241	44.5255			-24.907
4	0.273	71.4528	-57.048	0.02266		51.5796			-25.032
4	0.2678	52.5024	-40.414	-0.0264	24.1641				-25.168
4	0.2678	48.6542	-40.527		24.5816		-0.266		-25.442
4	0.263	65.1061	-19.812	-0.0595			-1.2969		-24.835
4	0.2567	-18.01		-0.0836	-3.6033		-5.8094		-26.339
4	0.2564	-31.325		-0.0831		-1.1849	-6.2079		-26.591
4	0.2562	-34.298			-10.323	11.2421	-6.523		-27.269
4	0.2547	-19.471		-0.0628	-4.9956	-2.7695			-26.469
4	0.1399	314.095	-75.366	-0.4405		61.8207		-12.11	
4	0.1383	431.969	-62.752	-0.411				-10.168	33.8218
4	0.1355	492.578	-76.623	-0.3958			-10.115		40.5121
4	0.1333	434.978	-85.857	-0.3809		26.7124			18.813
4	0.1318	457.766	-78.019	-0.3873	5.07256				27.1087
4	0.1317	367.961	-83.126	-0.4279		49.3674	-3.9576		
4	0.1312	305.599	-54.521	-0.4988	23.6839			-10.121	
4	0.131	374.502	-82.945	-0.4138	-3.2551	48.3464			
4	0.1275	326.526	-39.991	-0.4968			3.96715	-9.0239	
4	0.1249	360.107	-63.503	-0.4668	14.6787		-0.1403		
4	0.1204	437.336	-99.533			45.3969		-10.382	33.9683
4	0.1168	476.078	-89.927		11.9897			-9.2767	46.8772
4	0.1167	516.558	-86.962				-5.4138	-6.513	55.213
4	0.1163	510.419	-105.95			28.6278	-8.2246		43.892
4	0.1144	547.974	-94.024		-1.389		-9.0892		56.086
4	0.1139	485.56	-104.29		-4.9301	35.8966			32.5845
4	0.1135	324.419	-97.783			78.9667	5.41723	-11.911	
4	0.1123	328.21	-98.874		-0.7815	82.7373		-9.8823	
4	0.1095	219.722		-0.5763	-15.092			-16.862	7.35535
4	0.1092	227.609		-0.5803		-23.376		-17.001	12.1785
4	0.1089	199.384		-0.5878	-10.241		1.11008	-16.712	
4	0.1089	201.811		-0.5905	-10.583	0.13827		-16.149	
4	0.1085	188.906		-0.592		-10.908	2.59773	-17.764	
4	0.1076	159.435		-0.598			2.38664	-19.851	-1.9417

4	0.1064	378.453	-103.15		-6.6283	73.7744	-0.5238			
4	0.1006	306.513	-76.944		35.0213		12.733	-12.31		
4	0.0979	320.85		-0.5686	-42.374		-13.818		17.9845	
4	0.0958	271.06		-0.5897	-27.204	-6.7207	-7.8385			
4	0.0942	317.688		-0.5803		-60.353	-9.5425		22.897	
4	0.0937	306.535		-0.5542	-21.719	-32.998			10.3029	
4	0.0611	279.278			-22.255	-27.002		-14.79	31.8954	
4	0.0596	251.313			-34.031		-2.1445	-15.076	25.1794	
4	0.0582	245.165				-46.626	2.34796	-17.049	29.623	
4	0.0553	169.91			-17.139	0.77926	6.28502	-16.888		
4	0.0528	385.464			-40.75	-40.034	-12.143		45.9122	
5	0.3908	111.242	-39.06	0.39964				-34.773	111.453	-38.488
5	0.3861	64.7852		0.36137		-47.019		-36.713	118.918	-40.087
5	0.3838	-49.642		0.30377			-12.005	-38.738	103.617	-40.411
5	0.3832	157.988	-34.151				-16.13	-28.611	107.552	-34.294
5	0.3819	144.391				-51.58	-17.574	-29.273	122.068	-36.208
5	0.3794	60.5271	-38.324		24.7781			-35.547	84.764	-33.888
5	0.3792	-77.239		0.3012	3.79897			-41.719	91.1567	-39.668
5	0.3784	34.2372			31.3896	-63.986		-37.198	100.065	-36.152
5	0.3754	119.946	-21.869			-13.041		-32.611	94.9348	-33.82
5	0.3742	13.623			-5.2151		-13.526	-34.448	94.4024	-36.009
5	0.3557	331.723	-85.251	0.36751			-30.525		122.984	-34.606
5	0.351	379.783	-45.874			-62.959	-31.401		130.443	-31.961
5	0.3484	307.375		0.3095		-129.76	-34.638		156.376	-38.472
5	0.3463	355.58	-57.764		-24.111		-32.374		114.009	-30.728
5	0.341	327.377			-20.609	-91.2	-34.889		137.091	-33.904
5	0.3283	213.062		0.23024	-64.844		-38.09		116.244	-35.724
5	0.328	315.917	-60.584	0.33518		-48.315			101.089	-32.505
5	0.3228	273.829	-78.352	0.31646	-2.6998				81.9548	-31.169
5	0.3221	-183.45	-19.624		61.0182		18.1385	-36.203		-30.355
5	0.3214	-141.08	-36.446		26.1605	69.3231		-29.94		-29.454
5	0.3214	-243.64			35.2856	25.7516	14.0562	-38.749		-31.644
5	0.3202	-118.25	-29.838			83.985	7.87905	-31.176		-29.011
5	0.3195	-235.95		0.02165	50.3613		17.145	-38.251		-31.656
5	0.3177	-115.95	-33.09	0.03598		90.3373		-28.249		-29.236
5	0.3177	292.439	-53.717		12.5558	-53.55			82.682	-28.704
5	0.3154	-193.23		0.02228		59.0877	9.14607	-34.248		-30.818
5	0.3143	-215.2		-0.0165	20.2766	43.7069		-32.508		-30.997
5	0.3088	-146.06	-12.054	-0.0398	49.8298			-27.128		-29.42
5	0.3072	208.79		0.23533	-0.2917	-109.08			98.8427	-33.947
5	0.2957	-89.399	15.9266	-0.0412			11.477	-25.557		-28.413
5	0.2744	63.3421	-56.81		3.42786	53.0481	-4.904			-25.057
5	0.2743	64.5566	-56.219	0.0064		56.4685	-5.1678			-25.086
5	0.2733	66.623	-58.675	0.02192	7.20569	45.5922				-25.11
5	0.2679	51.7354	-39.845	-0.0292	24.0571		-0.5864			-25.171
5	0.257	-21.77		-0.0811	-9.9824	10.446	-7.0868			-26.428
5	0.1424	377.618	-77.503	-0.4059		42.4958		-12.2	19.3334	
5	0.14	313.266	-75.211	-0.4363		61.0511	1.63711	-12.69		
5	0.14	311.11	-76.107	-0.442	3.71174	58.9978		-12.313		
5	0.1397	407.697	-69.443	-0.4148	14.0713			-11.467	30.4138	
5	0.1393	453.045	-65.742	-0.4118			-5.6532	-8.4254	39.5928	
5	0.1367	465.154	-85.864	-0.39		23.0408	-9.5527		31.4254	

5	0.1355	495.994	-75.546	-0.396	-1.9027		-10.373		41.3685	
5	0.1334	436.252	-85.195	-0.3802	-2.7581	29.0767			18.7478	
5	0.1331	297.268	-58.394	-0.4755	27.7636		6.94276	-13.28		
5	0.132	370.872	-81.416	-0.428	-6.8093	55.6402	-4.5906			
5	0.1207	451.16	-100.25			43.013	-2.8615	-9.3829	37.7286	
5	0.1204	436.767	-99.723		0.85487	44.7268		-10.428	34.0016	
5	0.1171	520.245	-102.96		-12.099	38.4353	-9.6343		45.4059	
5	0.1171	495.189	-90.118		8.50831		-3.5341	-7.8681	51.3111	
5	0.1137	319.543	-98.839		5.58423	74.3675	6.19423	-12.49		
5	0.1099	239.257		-0.5717	-10.484	-13.326		-16.296	12.1025	
5	0.1096	231.279		-0.5763	-17.311		-2.195	-15.996	10.0763	
5	0.1092	227.15		-0.5802		-23.266	0.10604	-17.036	12.0424	
5	0.1089	199.928		-0.588	-9.3182	-1.5515	1.28318	-16.681		
5	0.0996	356.032		-0.5596	-30.915	-28.029	-13.131		27.6404	
5	0.0612	292.206			-24.583	-27.247	-2.3874	-13.838	34.9408	
6	0.4004	168.35	-47.716	0.41782			-17.504	-30.003	131.294	-39.466
6	0.3968	141.16		0.38305		-67.745	-19.084	-31.116	147.549	-41.642
6	0.3951	66.4539	-50.594	0.39894	24.6177			-37.224	106.054	-38.767
6	0.3918	25.4084		0.36151	31.4193	-77.786		-39.368	122.077	-41.188
6	0.3916	132.112	-32.259	0.40568		-18.891		-34.123	118.691	-38.883
6	0.385	197.33	-23.977			-29.961	-18.094	-26.994	120.638	-34.888
6	0.3846	-4.0143		0.31596	-10.911		-14.869	-36.277	111.018	-40.345
6	0.3839	128.693	-38.4		11.5593		-13.584	-30.468	102.29	-34.319
6	0.3834	108.5			18.1447	-65.941	-14.31	-31.785	119.216	-36.628
6	0.3825	87.5378	-27.69		35.7113	-42.624		-35.111	97.9874	-34.74
6	0.3669	405.891	-57.13	0.40166		-71.587	-33.672		156.875	-36.98
6	0.3607	376.862	-70.144	0.38174	-27.021		-34.625		136.879	-35.333
6	0.3516	336.739		0.32192	-23.642	-104.78	-37.285		159.486	-38.322
6	0.3515	387.701	-43.518		-9.6635	-55.076	-32.514		131.605	-31.944
6	0.329	309.14	-63.563	0.33636	13.0721	-59.988			101.91	-32.707
6	0.3281	-168.21	-35.295		40.6118	50.7014	13.6105	-36.016		-29.961
6	0.3223	-189.87	-20.518	0.04476	62.0882		18.764	-36.467		-30.806
6	0.3216	-144.88	-37.522	0.03408	26.1074	71.0076		-29.971		-29.775
6	0.3215	-249.58		0.02995	35.4468	26.1369	14.3939	-38.993		-31.982
6	0.3207	-126	-31.719	0.06421		86.7283	8.48764	-31.47		-29.626
6	0.2744	62.6665	-57.05	0.00705	3.45638	53.294	-4.8481			-25.112
6	0.1427	393.404	-78.291	-0.4067		39.748	-3.2916	-11.054	23.6304	
6	0.1425	374.529	-78.373	-0.4074	4.29612	39.117		-12.435	19.4448	
6	0.1402	307.821	-76.372	-0.4366	6.22663	55.9095	2.50069	-13.336		
6	0.14	425.365	-69.639	-0.4144	10.8631		-3.2547	-10.167	34.5133	
6	0.1374	474.056	-83.287	-0.3885	-10.746	31.7737	-10.8		32.8183	
6	0.1207	454.763	-99.846		-2.3217	44.4781	-3.2875	-9.1109	38.1978	
6	0.11	251.799		-0.5717	-12.743	-13.565	-2.3156	-15.372	15.0579	
7	0.4033	218.645	-35.284	0.4326		-38.023	-20.044	-28.001	148.741	-40.403
7	0.4009	143.818	-51.184	0.41533	9.65579		-15.369	-31.546	126.757	-39.456
7	0.3994	98.3956	-38.59	0.41455	37.4466	-50.04		-36.778	122.411	-39.959
7	0.3981	108.51		0.37973	16.52	-80.681	-16.099	-33.387	144.732	-41.977
7	0.3874	159.762	-27.193		22.5818	-44.934	-14.101	-29.815	116.897	-35.234
7	0.3675	414.742	-54.568	0.40314	-10.683	-62.904	-34.912		158.258	-36.979
7	0.3289	-179.01	-37.782	0.08119	41.4242	53.5042	14.4946	-36.484		-30.758
7	0.1427	391.244	-78.505	-0.4071	1.35198	38.8914	-3.044	-11.214	23.3423	
8	0.4057	181.087	-38.499	0.43259	22.5758	-52.992	-16.053	-30.821	145	-40.749

LAG 2

Number In Model	RSquare	Intercept	LALK_2	LCA_2	LCL_2	LDOC_2	LSIO2_2	LSO4_2	LTKN_2	LTPO4_2
1	0.2329	679.384	-115.12							
1	0.1998	-35.311								-19.929
1	0.1891	144.759							-118.98	
1	0.1634	436.659				-108.39				
1	0.1628	626.087			-117.73					
1	0.1002	155.802					-41.57			
1	0.0538	165.151						-32.492		
1	0.0036	27.6274		0.17423						
2	0.4072	573.724	-108.87							-18.653
2	0.3463	523.964			-111.82					-19.122
2	0.3367	93.1722					-48.921			-21.828
2	0.2893	59.7254							-87.188	-15.032
2	0.2836	571.358	-84.455						-70.947	
2	0.2762	767.966	-89.881			-62.561				
2	0.2601	245.743				-71.905				-15.137
2	0.2567	-105.64		0.73953						-24.069
2	0.2533	89.0945						-32.412		-19.915
2	0.2414	746.947	-93.616		-37.58					
2	0.2337	663.454	-109.89				-4.7354			
2	0.2331	681.617	-117.15					2.34617		
2	0.2329	678.678	-115.07	0.00546						
2	0.2112	675.87			-76.069	-70.317				
2	0.209	396.728			-57.224				-81.713	
2	0.2061	296.795				-50.523			-81.739	
2	0.1995	700.758			-111.95			-26.96		
2	0.1964	186.257						-12.81	-110.25	
2	0.192	160.126		-0.1613					-122.93	
2	0.1914	157.812					-8.1706		-108.01	
2	0.189	427.535				-88.261	-23.229			
2	0.1863	554.186		-0.4978		-130.49				
2	0.179	471.272				-98.729		-18.221		
2	0.1772	568.071			-95.696		-18.603			
2	0.1681	677.652		-0.2202	-124.83					
2	0.1032	177.493					-36.285	-9.4751		
2	0.1026	173.047		-0.1486			-43.833			
2	0.0549	156.139		0.0932				-31.936		
3	0.4362	487.302	-102.5	0.53397						-21.717
3	0.4196	505.143	-87.809				-18.746			-19.628
3	0.4154	639.952	-87.827		-36.778					-18.634
3	0.4136	540.612	-97.713						-26.875	-17.274
3	0.4086	595.113	-104.24			-12.098				-17.901
3	0.4072	573.669	-108.82					-0.0547		-18.654
3	0.3837	421.408			-75.349		-30.412			-20.565
3	0.3836	599.071			-105.99			-27.177		-19.153
3	0.3579	429.047		0.3576	-99.646					-21.212
3	0.3531	38.5703		0.41804			-43.268			-23.949
3	0.3474	489.466			-101.96				-13.609	-18.428



3	0.3473	535.706			-105.36	-11.271				-18.417
3	0.3408	164.915				-21.767	-43.842			-20.18
3	0.3384	96.975					-43.088		-17.542	-20.616
3	0.3369	98.2033					-47.712	-2.1378		-21.78
3	0.3061	118.334						-19.56	-72.081	-15.872
3	0.3036	1.97006		0.41239					-70.182	-18.296
3	0.2974	11.6268		0.65601				-28.483		-23.59
3	0.2928	606.594	-97.223				18.315		-88.269	
3	0.2926	132.948				-23.089			-71.569	-14.371
3	0.2904	650.439	-80.808			-32.4			-49.14	
3	0.2885	841.392	-86.214	-0.3682		-80.78				
3	0.2874	279.079				-56.629		-24.241		-16.145
3	0.2863	585.389	-84.336	-0.1536					-74.776	
3	0.2856	575.461	-89.909					7.23842	-72.777	
3	0.2853	521.458	-92.291		20.3221				-79.724	
3	0.2769	772.893	-93.5			-63.063		4.42911		
3	0.2765	779.849	-85.995		-8.334	-60.371				
3	0.2764	778.082	-92.349			-63.548	2.59168			
3	0.2677	102.314		0.3933		-44.78				-19.147
3	0.2423	766.785	-92.072	-0.0932	-41.909					
3	0.242	750.992	-87.067		-42.22			-4.5132		
3	0.2415	738.847	-91.999		-36.682		-1.9277			
3	0.2399	822.625		-0.5587	-80.788	-92.763				
3	0.2346	660.935	-111.92				-6.957	5.20459		
3	0.2338	665.092	-109.62	-0.0249			-5.2049			
3	0.2331	680.546	-117.09	0.00853				2.38049		
3	0.2303	723.181			-78.924	-58.194		-20.18		
3	0.2231	517.245			-53.059	-46.143			-50.415	
3	0.2228	499.045			-67.271			-17.929	-62.952	
3	0.2216	567.886		-0.6018		-111.16	-27.634			
3	0.2212	405.407		-0.409		-73.664			-74.704	
3	0.2176	633.084			-64.038	-65.416	-12.607			
3	0.2161	451.911		-0.2564	-64.209				-83.445	
3	0.2126	332.321				-49.322		-12.082	-74.391	
3	0.2097	396.618			-55.567		-4.5002		-76.752	
3	0.2094	317.976				-52.27	-9.9672		-67.073	
3	0.2078	769.402		-0.2785	-120.67			-28.191		
3	0.2015	587.284		-0.4933		-120.76		-17.98		
3	0.1997	203.534		-0.1708				-13.12	-114.22	
3	0.1995	704.555			-112.8		0.80256	-27.427		
3	0.1965	186.367					-0.7758	-12.461	-109.44	
3	0.1958	181.548		-0.2043			-10.844		-109.43	
3	0.191	443.91				-87.82	-19	-7.7456		
3	0.187	630.194		-0.3082	-101.81		-21.828			
3	0.105	191.206		-0.1332			-38.738	-8.7136		
4	0.4557	281.6	-123.44	1.03612		70.377				-28.973
4	0.4405	455.138	-90.32	0.47304			-11.487			-21.965
4	0.4372	517.844	-95.164	0.49656	-13.598					-21.496
4	0.4363	488.683	-103.95	0.53606				1.70793		-21.713
4	0.4363	485.442	-101.35	0.52175					-3.1151	-21.487
4	0.4245	566.018	-73.778		-29.085		-16.423			-19.492
4	0.4222	499.763	-91.249				-22.734	9.14542		-19.746

4	0.4198	504.552	-87.412				-16.932		-5.866	-19.232
4	0.4196	505.441	-87.784			-0.1254	-18.725			-19.619
4	0.417	646.062	-77.291		-44.224			-7.2456		-18.701
4	0.4164	605.727	-87.816		-27.006				-13.496	-17.947
4	0.4154	640.428	-87.77		-36.523	-0.5289				-18.601
4	0.4137	541.825	-99.164					1.97861	-27.508	-17.223
4	0.4137	528.606	-98.371			4.80774			-29.721	-17.427
4	0.4086	595.696	-104.6			-12.174		0.44544		-17.892
4	0.3937	515.339			-99.514		-41.86		52.285	-23.772
4	0.3915	507.137			-86.146		-18.464	-16.442		-20.017
4	0.3914	517.278		0.2948	-96.221			-25.894		-20.874
4	0.3899	357.645		0.26482	-68.652		-28.476			-22.021
4	0.3868	676.804			-124.37			-30.995	26.5032	-20.507
4	0.3844	406.257			-79.596	10.2098	-31.75			-21.267
4	0.3843	591.769			-111.56	10.172		-28.369		-19.79
4	0.3613	351.499		0.53833	-109.77	28.3909				-24.042
4	0.3579	426.678		0.35499	-98.859				-1.2089	-21.135
4	0.3544	-32.378		0.53159		17.0267	-45.706			-25.814
4	0.3536	46.9182		0.42347			-41.019	-3.8482		-23.89
4	0.3531	38.5856		0.41797			-43.26		-0.0286	-23.947
4	0.3477	507.828			-100.65	-7.53			-9.4601	-18.169
4	0.341	170.414				-21.818	-42.55	-2.2654		-20.126
4	0.3409	159.545				-19.828	-42.729		-4.7097	-20.002
4	0.3387	104.426					-41.034	-3.0793	-18.484	-20.482
4	0.3215	60.269		0.42912				-20.238	-53.862	-19.298
4	0.3084	178.378				-19.438		-19.026	-59.344	-15.293
4	0.3043	-54.938		0.49374		14.3521			-76.536	-19.351
4	0.3001	726.81	-78.411	-0.3271		-51.445			-44.481	
4	0.2995	98.5981		0.50317		-20.544		-26.434		-21.366
4	0.2974	668.105	-92.689			-26.904	16.155		-68.118	
4	0.2957	543.683	-108.38		26.6249		19.5964		-100.98	
4	0.2936	611.699	-96.18	-0.0854			16.9136		-89.073	
4	0.2929	606.266	-97.611				17.8721	0.92419	-88.084	
4	0.2924	457.142	-116.77		50.4551			17.0677	-97.055	
4	0.2922	653.125	-86.018			-31.912		6.84194	-51.199	
4	0.2921	600.846	-88.574		20.1161	-32.319			-57.883	
4	0.2902	873.249	-77.308	-0.3956	-18.517	-77.268				
4	0.289	844.642	-89.154	-0.3647		-81.008		3.55477		
4	0.2887	833.767	-83.527	-0.3823		-80.459	-2.6739			
4	0.288	588.791	-89.528	-0.1481				6.885	-76.381	
4	0.2871	546.687	-90.106	-0.1309	14.9193				-80.655	
4	0.277	777.347	-91.312		-3.6072	-62.045		3.80944		
4	0.2769	775.715	-94.01			-63.336	0.81604	4.10287		
4	0.2768	793.124	-88.434		-9.316	-61.272	3.04236			
4	0.2587	868.817		-0.5559	-83.596	-80.619		-20.024		
4	0.2511	778.861		-0.6105	-65.095	-88.273	-16.901			
4	0.2454	698		-0.5046	-64.314	-73.764			-35.091	
4	0.2434	777.775	-82.701	-0.1189	-49.438			-6.1641		
4	0.2427	755.351	-88.621	-0.113	-41.091		-3.7224			
4	0.242	753.977	-87.062		-42.894		0.63177	-4.8822		
4	0.2353	607.44			-62.777	-43.657		-16.943	-34.373	
4	0.2347	662.977	-111.63	-0.0321			-7.6242	5.34971		

4	0.2316	567.548		-0.2873	-75.753			-19.096	-63.673
4	0.2308	469.298		-0.5084		-82.378	-17.654		-47.018
4	0.2304	731.331			-80.702	-58.266	1.71691	-21.171	
4	0.2282	443.731		-0.4151		-72.765		-12.489	-67.004
4	0.2252	529.047			-74.042		10.4529	-23.142	-69.021
4	0.2244	520.586			-50.557	-47.483	-6.4632		-42.382
4	0.2221	573.99		-0.5925		-110.59	-25.432	-3.909	
4	0.218	457.697		-0.2841	-62.097		-7.7867		-75.048
4	0.2129	335.279				-50.142	-3.7251	-10.396	-69.935
4	0.208	758.243		-0.2864	-117.98		-2.7709	-26.613	
4	0.2	205.474		-0.1847			-3.7998	-11.437	-110.61
5	0.464	211.984	-108.59	1.00814		78.5748	-16.305		-30.17
5	0.4617	206.459	-117.26	1.04625		89.5047			-32.209
5	0.4593	323.804	-110.87	1.00585	-26.633	76.4038			-29.161
5	0.4557	282.206	-123.81	1.03613		70.2984		0.46429	-28.964
5	0.4422	451.666	-93.094	0.46416			-14.893	7.49864	-22.018
5	0.4418	452.514	-91.63	0.51331			-15.88		16.2052
5	0.4411	480.634	-84.965	0.44568	-10.8		-11.044		-21.779
5	0.4373	526.173	-95.304	0.50582	-16.194				4.18275
5	0.4372	519.451	-93.932	0.49279	-14.605			-0.8092	-21.481
5	0.4364	486.637	-102.77	0.52168				1.9369	-3.7372
5	0.4259	594.501	-69.117		-41.686		-21.892		20.9408
5	0.4251	551.457	-73.718		-33.171	9.73309	-17.71		-20.162
5	0.4247	555.422	-77.001		-24.934		-18.168	3.24348	-19.553
5	0.4222	499.594	-91.009				-21.846	8.98132	-2.6383
5	0.4222	497.407	-91.455			0.98454	-22.911	9.17654	-19.816
5	0.4198	496.943	-87.892			3.12148	-16.845		-7.8219
5	0.4171	630.006	-79.254		-38.574			-5.8923	-5.8813
5	0.4171	642.902	-76.88		-46.774	4.05418		-7.8269	-18.957
5	0.4166	591.349	-88.483		-27.525	6.25827			-16.943
5	0.4139	529.744	-99.837			4.84109		1.99186	-30.377
5	0.4061	365.344		0.68017	-117.82	62.6994		-31.565	-27.052
5	0.4047	451.447		0.36188	-96.341		-42.047		65.2213
5	0.4032	617.034			-113.3		-29.632	-18.076	56.4293
5	0.4019	193.189		0.6041	-83.27	55.7719	-33.309		-27.72
5	0.3981	613.605		0.36778	-121.38			-31.301	39.747
5	0.3977	443.361		0.26385	-79.443		-16.57	-16.394	-21.469
5	0.3939	526.61			-98.711	-4.6412	-41.785		54.7254
5	0.3932	490.103			-93.219	15.2911	-19.68	-17.526	-21.032
5	0.3868	672.113			-124.83	2.17436		-31.096	25.436
5	0.3621	308.909		0.54721	-103.15	34.3523			-13.422
5	0.355	-25.978		0.54196		17.6893	-43.332	-4.2233	-25.822
5	0.3547	-44.121		0.53678		20.9499	-43.688		-8.6087
5	0.3536	47.6045		0.42086			-40.664	-3.8937	-1.0988
5	0.3411	164.566				-19.469	-41.039	-2.5431	-5.72
5	0.3235	-31.509		0.5646		23.7758		-21.105	-63.689
5	0.3026	722.48	-86.656	-0.2592		-43.908	10.5352		-57.824
5	0.3013	727.346	-82.919	-0.3196		-50.589		5.84715	-46.348
5	0.3002	706.28	-81.233	-0.3137	7.05529	-50.634			-47.738
5	0.3001	605.995	-103.58		25.7628	-26.364	17.4384		-80.823
5	0.2987	535.797	-112.27		49.1163	-31.03		16.4214	-75.43
5	0.2978	500.639	-119.65		43.3103		15.515	10.1943	-106.91

5	0.2975	667.904	-93.271				-27.04	15.4527	1.44303	-67.728
5	0.2959	550.558	-107.1	-0.0401	24.7299			18.8473		-100.45
5	0.2937	611.338	-96.698	-0.0869				16.2741	1.28127	-88.831
5	0.293	475.313	-113.93	-0.072	45.4678				15.9244	-96.406
5	0.2904	866.473	-75.369	-0.4062	-18.104	-77.092	-2.1266			
5	0.2902	872.721	-77.878	-0.3945	-18.002	-77.391			0.39088	
5	0.2897	831.682	-85.604	-0.3901		-80.515	-5.1906	5.5691		
5	0.277	784.928	-91.302		-5.2704	-62.112	1.59815	2.88481		
5	0.2599	805.317		-0.5301	-75.462	-72.452			-18.444	-16.854
5	0.2593	848.973		-0.5718	-78.488	-81.048	-5.0589	-17.1		
5	0.2518	732.782		-0.5807	-60.374	-80.946	-14.564			-14.679
5	0.2434	774.238	-82.611	-0.1216	-48.666		-0.8762	-5.6894		
5	0.2364	622.67			-67.523	-41.685	7.01249	-20.484		-39.736
5	0.2326	582.82		-0.2682	-79.665		6.91449	-22.466		-67.64
5	0.2322	473.97		-0.4879		-79.843	-13.462	-6.4663		-49.605
6	0.4669	252.723	-97.914	0.98211	-23.907	83.6483	-15.636			-30.289
6	0.4661	206.716	-111.7	1.0019		79.0667	-20.01	8.08941		-30.279
6	0.4651	191.227	-109.05	1.0198		86.1184	-12.436			-15.978
6	0.4623	239.493	-112.54	1.0304	-12.35	88.8722				-26.438
6	0.4619	207.603	-118.84	1.04651		89.5612		2.14008	-32.915	-28.516
6	0.4602	328.212	-102.96	0.99742	-33.98	79.006		-5.546		-29.324
6	0.4448	519.909	-78.309	0.48212	-29.768		-19.486		34.0067	-24.162
6	0.444	448.089	-95.022	0.51053			-20.551	8.52524	19.1493	-23.55
6	0.4422	453.452	-92.673	0.46252	-0.7242		-14.788	7.33304		-22.004
6	0.4374	536.4	-91.88	0.50135	-20.828			-2.3113	7.01324	-21.902
6	0.4261	583.43	-69.714		-42.024	4.84039	-21.796		18.1249	-20.995
6	0.4259	590.581	-70.177		-40.103		-22.203	0.91261	20.2507	-20.817
6	0.4253	544.778	-76.073		-29.85	9.03207	-18.891	2.36542		-20.158
6	0.4223	492.829	-91.429			2.77968	-21.757	8.96036	-4.3875	-19.645
6	0.4174	615.079	-79.744		-39.452	6.78551		-6.0528	-9.4117	-18.631
6	0.4145	553.955		0.36736	-110.32		-29.608	-18.392	69.634	-26.242
6	0.4143	270.568		0.67046	-100.05	66.8842	-18.973	-21.067		-28.145
6	0.4104	313.161		0.58845	-101.35	40.4688	-42.812		52.0417	-29.773
6	0.4083	442.377		0.67578	-130.26	54.8378		-34.109	23.9249	-27.756
6	0.4032	616.691			-113.33	0.16219	-29.628	-18.085	56.3461	-23.429
6	0.3554	-39.609		0.54968		22.603	-40.545	-4.7655	-10.596	-25.489
6	0.3035	637.841	-100.12	-0.2526	30.9555	-46.117		12.0931	-62.636	
6	0.3034	678.649	-93.823	-0.2208	14.8412	-41.079	12.1067		-66.667	
6	0.3029	723.372	-87.671	-0.2654		-44.583	9.00493	2.86966	-56.802	
6	0.3024	562.325	-115.29		43.2565	-27.004	13.1017	10.701	-86.553	
6	0.2978	504.972	-118.78	-0.0206	42.0258		15.2067	10.0039	-106.52	
6	0.2905	860.208	-77.531	-0.4052	-15.079	-77.676	-3.1855	2.1408		
6	0.26	803.979		-0.5429	-73.864	-73.938	-2.8135	-17.059	-14.28	
7	0.4672	240.765	-101.88	0.98511	-18.385	82.7143	-17.583	3.91259		-30.314
7	0.4669	249.828	-98.254	0.98383	-23.233	84.1408	-15.329		-1.3458	-30.245
7	0.4667	190.169	-111.82	1.01195		85.1954	-16.546	7.43472	-13.066	-29.873
7	0.4623	242.617	-111.57	1.02866	-13.647	88.7887		-0.6453	-25.619	-28.76
7	0.4451	501.904	-83.041	0.4882	-22.726		-20.809	3.9727	31.1674	-24.085
7	0.4261	580.376	-70.581		-40.708	4.75778	-22.055	0.75494	17.6021	-20.97
7	0.4234	395.945		0.65575	-119.06	51.3437	-28.463	-21.521	53.6634	-30.272
7	0.305	634.342	-104.75	-0.1991	30.8013	-40.176	8.94106	9.10562	-72.935	
8	0.4673	229.815	-103.44	0.99116	-15.543	84.2574	-16.767	4.33305	-4.4916	-30.169

LAG 3

Number In Model	RSquare	Intercept	LALK_3	LCA_3	LCL_3	LDOC_3	LSIO2_3	LSO4_3	LTKN_3	LTPO4_3
1	0.2262	-66.713								-29.715
1	0.0592	408.366	-64.035							
1	0.0256	206.89				-42.285				
1	0.0198	76.3139							-28.991	
1	0.0178	82.699		-0.4096						
1	0.0175	204.013			-30.608					
1	0.0055	2.16026						12.1141		
1	0.0045	81.4713					-10.779			
2	0.2566	-149.01		0.65632						-37.448
2	0.2313	-165.47			18.0819					-31.743
2	0.2311	-89.042							15.8672	-31.777
2	0.2286	-36.908						-8.293		-30.524
2	0.2264	-89.791	3.78972							-30.195
2	0.2263	-62.605					-1.3352			-29.651
2	0.2263	-59.27				-1.8594				-29.573
2	0.0686	358.239	-66.379					15.8944		
2	0.0627	394.333	-58.817	-0.1917						
2	0.0606	450.785	-73.309						10.5317	
2	0.0602	414.799	-58.56			-10.007				
2	0.0602	399.599	-70.991		9.49389					
2	0.0599	410.855	-66.812				4.51649			
2	0.0376	156.671				-48.356		18.272		
2	0.032	196.5		-0.2632		-33.864				
2	0.0286	10.176					-32.142	33.4225		
2	0.0279	93.3473		-0.2942					-22.071	
2	0.0277	159.595			-35.036			16.7529		
2	0.0261	208.495				-46.014	4.22621			
2	0.0258	192.104				-37.127			-4.8142	
2	0.0257	211.688			-2.9267	-39.612				
2	0.025	29.3987						11.7379	-28.747	
2	0.0233	172.534		-0.2724	-20.053					
2	0.0209	132.153			-12.742				-19.91	
2	0.0209	107.301		-0.3944			-8.9394			
2	0.0203	85.3458					-3.6098		-27.44	
2	0.02	49.1132		-0.3783				7.82125		
2	0.0179	204.539			-28.863		-3.2169			
3	0.2591	-97.465		0.70259		-14.324				-36.898
3	0.2587	-160.78		0.63204					10.5336	-38.531
3	0.2578	-126.45		0.64547				-5.8969		-37.896
3	0.2568	-143.15		0.6573			-1.9443			-37.366
3	0.2567	-167.83	3.10157	0.65585						-37.835
3	0.2567	-158.38		0.64554	1.96348					-37.541
3	0.2431	72.5783				-52.699			50.927	-32.303
3	0.2407	-158.36			47.9922	-42.588				-31.84
3	0.2373	-153.53			25.0001			-13.838		-33.868
3	0.2343	-56.291						-9.6543	17.2499	-32.898
3	0.2326	-165.56			21.6537		-6.3118			-31.839

3	0.2325	-9.5096	-14.544					22.2873	-30.77
3	0.2323	-121.9	-11.959		23.4365				-30.829
3	0.2321	-75.758				-5.4141		18.2647	-31.827
3	0.2319	-138.63			11.0026			8.39781	-32.04
3	0.2301	-40.434				8.728	-14.784		-31.578
3	0.2294	-85.226	8.71339				-9.6125		-31.756
3	0.2287	-45.939			2.72252		-8.8127		-30.783
3	0.2266	-86.195	6.12099		-4.4445				-30.15
3	0.2266	-92.733	5.47772			-2.3846			-30.294
3	0.2263	-59.879			-0.8908	-1.0622			-29.596
3	0.0712	327.49	-60.086			-12.067	23.5356		
3	0.0711	363.726	-57.702		-16.285		17.474		
3	0.0709	410.79	-78.601				16.7702	13.7328	
3	0.0698	354.403	-62.906	-0.1192			14.3442		
3	0.0688	598.399	-75.498		-43.744			40.1984	
3	0.0688	355.243	-69.772		4.71815		15.463		
3	0.0666	367.91	-71.57	-0.288	20.9802				
3	0.0658	400.546	-69.024		31.3522	-32.87			
3	0.0651	449.597	-70.548	-0.223				14.2888	
3	0.0633	396.827	-61.455	-0.1891		4.172			
3	0.063	399.06	-56.096	-0.1772		-5.6964			
3	0.0621	423.61	-60.145			-16.527	8.37966		
3	0.0611	450.013	-75.036				3.83478	9.8152	
3	0.0607	437.589	-74.096		3.92898			8.15614	
3	0.0606	402.696	-72.329		8.29285		3.60683		
3	0.0418	124.464				-36.994	-16.433	27.7192	
3	0.0398	157.459		-0.1647		-42.206		15.6201	
3	0.0392	124.255			-25.829		-24.192	31.5716	
3	0.0383	185.339				-60.545		19.9663	10.8505
3	0.0377	163.932			-4.5571	-44.219		18.3486	
3	0.0348	25.3687					-23.585	27.5108	-18.286
3	0.0346	40.598		-0.2558			-26.853	27.0139	
3	0.0326	177.695		-0.2989	10.6118	-42.414			
3	0.0321	197.519		-0.258		-35.917	2.13695		
3	0.032	188.931		-0.2615		-31.254			-2.4868
3	0.0307	55.3737		-0.2546				8.92692	-22.818
3	0.0294	148.22		-0.1619	-28.035			13.9894	
3	0.0286	123.647			-24.701			15.2397	-11.072
3	0.0284	103.764		-0.2967			-4.1048		-20.248
3	0.0279	85.0059		-0.3013	1.99723				-23.327
3	0.0262	199.256				-42.516	3.8595		-2.9627
3	0.0261	211.869			-2.0824	-44.02	4.12155		
3	0.0258	195.317			-1.1322	-36.566			-4.3723
3	0.0242	171.766		-0.2862	-16.78		-5.0474		
3	0.0211	133.709			-11.602		-2.619		-19.598
4	0.281	50.9811		0.75965		-73.772		58.5366	-40.63
4	0.2638	-152.44		0.61839	28.8436	-37.309			-37.383
4	0.2606	-158.95	13.7599	0.72025		-20.449			-38.38
4	0.2606	-85.942		0.70603	-18.471			22.4487	-38.88
4	0.2603	-135.56		0.61672			-6.9233	11.6545	-39.171
4	0.2595	-148.86		0.62953			-4.745	12.656	-38.548
4	0.2594	-91.675		0.68999		-12.346	-3.3747		-37.23

4	0.2594	-95.999		0.71137		-17.571	3.39037			-36.917
4	0.2592	-111.96	-8.768	0.62432					14.4692	-37.841
4	0.2583	-152.31		0.60547	6.73287			-7.5389		-38.339
4	0.2582	-162.97	6.65792	0.64257				-6.9159		-38.804
4	0.2582	-127.06		0.63743			4.26981	-9.1021		-38.319
4	0.257	-171.59	5.17881	0.657			-2.9361			-37.97
4	0.2569	-158.51		0.63712	3.75132		-2.7878			-37.508
4	0.2567	-168.24	2.72866	0.65283	0.55967					-37.815
4	0.2495	-28.128			34.1905	-70.103			39.2946	-33.294
4	0.2454	-148.25			52.0861	-39.683		-12.271		-33.718
4	0.2448	165.334	-16.459			-53.597			58.7896	-31.172
4	0.2437	81.8666				-59.775	5.05887		53.3942	-32.326
4	0.2433	72.4444				-49.667		-2.7014	49.2969	-32.586
4	0.2413	-126.36	-8.8241		51.2935	-41.663				-31.164
4	0.2407	-158.17			48.1692	-43.614	0.96006			-31.828
4	0.2378	-122.64	-8.5964		28.5972			-13.335		-33.134
4	0.2377	-150.51			23.9286		4.90769	-17.251		-34.317
4	0.2373	-146.81			23.0367			-13.574	2.17246	-33.904
4	0.2348	-9.4571	-9.2406					-8.5644	21.1728	-32.132
4	0.2345	-56.36					3.1738	-11.929	16.1703	-33.133
4	0.2337	-59.014	-17.042		14.0164				13.8748	-30.932
4	0.2333	-135.81			13.9872		-6.6282		9.30682	-32.173
4	0.2333	-131.11	-9.4523		25.3408		-5.3484			-31.102
4	0.233	-11.568	-12.308				-4.144		23.1354	-30.963
4	0.2304	-73.275	6.00078				7.6527	-14.893		-32.296
4	0.2302	-30.95				-2.9893	9.79653	-15.008		-31.423
4	0.2294	-84.677	9.05122			-0.7303		-9.5243		-31.734
4	0.2267	-89.247	6.60223			-3.1601	-1.6315			-30.231
4	0.0922	645.1	-85.922			-77.18		27.728	68.1672	
4	0.0759	352.336	-67.433		29.0648	-37.256		16.8507		
4	0.0754	676.065	-84.198			-67.753	16.6467		53.3707	
4	0.0752	389.187	-74.71				-15.928	27.1729	18.6944	
4	0.0732	366.538	-69.474	-0.3098	45.6116	-35.731				
4	0.0728	414.335	-76.156	-0.151				14.9463	15.929	
4	0.0723	339.932	-55.813			-11.332	-8.6824	22.4917		
4	0.0719	327.633	-58.101	-0.0893			-10.883	21.6243		
4	0.0717	322.008	-64.484		6.49955		-12.598	23.2777		
4	0.0717	583.152	-73.069	-0.1791		-39.509			40.3442	
4	0.0716	560.977	-80.717		23.0814	-55.628			34.3024	
4	0.0716	360.625	-56.739	-0.0733		-14.082		16.3069		
4	0.0714	439.85	-77.085		-9.5441			18.0261	19.743	
4	0.0713	343.588	-70.415	-0.1915	13.3681			12.1816		
4	0.069	410.322	-72.42		35.2924	-44.304	11.0012			
4	0.0668	390.216	-73.333	-0.2826	17.5848				4.66176	
4	0.0667	369.963	-72.222	-0.2833	20.1972		1.78485			
4	0.0655	448.977	-72.018	-0.2195			3.16918		13.6388	
4	0.0643	408.07	-57.677	-0.1578		-11.562	6.93153			
4	0.0611	441.145	-75.485		2.6511		3.65295		8.24627	
4	0.0435	127.088		-0.1444		-32.283	-15.447	24.8269		
4	0.0425	151.987				-48.677	-16.299	29.2535	10.3178	
4	0.0424	136.898			-9.0234	-28.118	-17.424	28.4409		
4	0.0404	184.298		-0.1614		-53.747		17.2602	10.1638	

4	0.0399	118.158		-0.1049	-21.623		-23.316	29.2437	
4	0.0399	151.405		-0.1795	3.844	-45.141		15.3168	
4	0.0392	128.866			-27.167		-24.512	31.9814	1.56425
4	0.039	217.334			-11.394	-56.089		20.9759	16.0891
4	0.0383	46.4539		-0.2025			-21.086	23.6039	-14.679
4	0.0329	148.694		-0.305	13.9911	-37.204			-7.56
4	0.0328	178.365		-0.2939	10.8771	-44.927	2.39287		
4	0.0321	192.586		-0.2574		-34.064	1.94523		-1.5905
4	0.0313	94.0078		-0.2041	-11.475			11.1106	-15.782
4	0.0286	85.839		-0.3131	4.54445		-4.5202		-22.922
4	0.0262	202.362			-1.0956	-41.971	3.85722		-2.5362
5	0.2843	70.7225		0.79463		-90.539	11.2937		64.3949 -41.066
5	0.2817	50.6081		0.7815		-79.995		5.00482	61.7755 -40.345
5	0.2817	108.937	-10.241	0.75119		-74.096			63.3441 -39.834
5	0.2812	36.4499		0.74293	5.09488	-75.902			56.6356 -40.595
5	0.265	-147.55		0.58569	31.9644	-36.092		-6.3189	-38.057
5	0.2643	-151.56		0.62764	29.3127	-41.606	4.09689		-37.413
5	0.264	-170.78	5.09166	0.63169	26.5269	-37.729			-37.892
5	0.2612	-156.73	14.964	0.70526		-18.388		-4.4308	-38.945
5	0.2611	-90.866		0.67558	-13.299			-4.3995	19.8249 -39.189
5	0.2611	-75.765		0.69248		-18.526	10.5071	-9.9994	-37.94
5	0.2609	-85.247		0.69699	-16.64		-3.2289		22.7115 -38.857
5	0.2607	-63.119	-5.0391	0.69642	-17.179				23.8768 -38.459
5	0.2607	-155.09	13.1234	0.72552		-22.414	2.34722		-38.324
5	0.2605	-110.17	-4.9312	0.61363				-6.3554	13.776 -38.731
5	0.2603	-135.5		0.61622			0.46819	-7.2612	11.4998 -39.201
5	0.2597	-113.95	-6.5728	0.6241			-4.0725		15.3054 -38.029
5	0.2586	-150.13		0.60293	6.0348		3.54759	-10.032	-38.645
5	0.2584	-165.98	3.80949	0.61499	4.85162			-7.6631	-38.735
5	0.2584	-157.15	5.51134	0.63688			3.28604	-9.2072	-38.973
5	0.257	-173.24	4.07086	0.64691	1.88834		-3.1485		-37.913
5	0.2532	92.0872	-24.309		39.8869	-74.328			48.969 -31.79
5	0.2509	-41.701			38.6766	-64.26		-7.24	33.3994 -34.184
5	0.2508	-133.7			60.078	-57.714	19.7664	-25.301	-35.459
5	0.2502	-18.868			34.2673	-77.369	5.16702		41.7884 -33.32
5	0.2465	207.913	-21.328			-65.393	8.24422		65.1365 -30.876
5	0.2456	-126.75	-6.0037		54.2221	-39.132		-11.941	-33.208
5	0.2455	94.3389				-58.216	12.1271	-10.198	50.6877 -33.429
5	0.2448	164.291	-16.276			-53.276		-0.2766	58.5354 -31.214
5	0.2414	-123.22	-9.5851		51.9368	-43.661	1.9448		-31.081
5	0.2384	-112.33	-10.419		28.0234		6.12091	-17.483	-33.539
5	0.2381	-94.142	-11.126		23.9837			-12.423	6.27575 -33.023
5	0.2377	-151.16			24.117		4.95297	-17.309	-0.2194 -34.318
5	0.235	-7.6848	-9.6055				3.53679	-11.057	20.1246 -32.363
5	0.2346	-68.507	-14.529		15.9584		-5.3001		13.7939 -31.202
5	0.2307	-66.237	8.08828			-5.8195	9.35884	-15.367	-32.244
5	0.0929	623.813	-88.364		12.2328	-82.437		26.8646	64.1715
5	0.0924	630.836	-84.709			-74.179	-3.7995	29.7833	67.234
5	0.0922	644.588	-85.832	-0.0044		-76.978		27.6461	68.0882
5	0.0791	638.371	-90.673		26.2357	-82.757	17.6846		47.4902
5	0.0787	339.753	-68.061	-0.2055	38.9931	-38.247		13.3667	
5	0.0779	513.907	-79.995	-0.2865	37.0724	-56.057			30.9617



5	0.0771	657.795	-81.599	-0.1371		-62.471	15.2322		52.3631	
5	0.0764	393.75	-73.101	-0.119			-14.624	24.8835	20.0191	
5	0.0761	341.29	-65.867		27.1819	-33.445	-4.2998	19.376		
5	0.0761	425.133	-72.638		-12.083		-16.552	29.1707	26.4982	
5	0.0754	376.848	-72.312	-0.291	48.0696	-45.202	9.27907			
5	0.0734	316.263	-65.69	-0.1626	13.6215		-11.025	19.5157		
5	0.0728	414.093	-76.163	-0.1514	0.08201			14.9312	15.8824	
5	0.0726	338.099	-55.031	-0.0651		-9.5671	-8.3463	21.261		
5	0.0669	392.857	-74.049	-0.2776	16.6957		1.84802		4.76945	
5	0.0441	153.035		-0.1414		-43.42	-15.341	26.3369	9.74764	
5	0.044	195.673			-16.832	-40.82	-18.049	31.7421	17.9997	
5	0.0436	130.045		-0.1353	-2.2662	-30.353	-15.758	25.1914		
5	0.0405	190.447		-0.1527	-2.1697	-53.265		17.5984	11.1984	
5	0.04	112.424		-0.1109	-19.82		-22.893	28.6331	-1.8283	
5	0.033	152.334		-0.3009	13.8038	-39.508	1.65026		-6.7317	
6	0.2862	178.261	-18.181	0.78786		-95.066	13.9558		74.3104	-39.756
6	0.2844	74.86		0.78714		-89.745	13.5201	-3.297	63.4161	-41.34
6	0.2843	59.9444		0.78213	3.72607	-91.968	11.2074		62.9599	-41.037
6	0.283	133.938	-14.754	0.77878		-83.162		7.17606	70.1064	-39.074
6	0.2821	95.0071	-12.234	0.72053	8.83907	-77.854			60.9819	-39.618
6	0.2817	48.7723		0.77893	0.64634	-80.14		4.9037	61.4689	-40.346
6	0.269	-135.11		0.56506	39.5203	-51.666	16.9347	-17.692	-39.396	
6	0.2652	-168.78	5.93401	0.60027	29.3525	-36.547		-6.4971	-38.669	
6	0.2644	-165.06	3.72928	0.63662	27.5771	-41.559	3.75862		-37.784	
6	0.2626	-137.62	13.9702	0.70656		-23.731	9.7656	-10.518	-39.491	
6	0.2612	-74.556	-3.5267	0.67094	-12.75			-4.0977	21.0044	-38.873
6	0.2611	-89.981		0.67773	-13.59		-0.8045	-3.7639	20.2695	-39.139
6	0.261	-68.309	-3.7547	0.6907	-15.854		-2.9164		23.7501	-38.546
6	0.2605	-109.71	-5.0059	0.61287			0.67208	-6.8318	13.586	-38.767
6	0.2586	-160.22	2.75409	0.61006	4.74101		3.21082	-9.8849	-38.902	
6	0.256	-31.429			46.852	-80.776	19.0532	-19.977	32.2242	-35.846
6	0.2554	139.439	-30.359		41.4493	-89.054	9.72382		56.0703	-31.465
6	0.2537	71.6462	-21.835		42.0209	-70.364		-4.3794	44.4188	-32.481
6	0.2516	-93.171	-11.042		64.5481	-57.922	21.1058	-25.577	-34.638	
6	0.2476	204.543	-19.038			-63.52	13.6623	-8.3104	61.6701	-31.931
6	0.2385	-95.816	-11.789		25.2357		5.48103	-16.487	3.87372	-33.428
6	0.0932	609.674	-87.779	-0.065	16.005	-81.06		25.3872	61.7706	
6	0.093	617.077	-87.477		11.3287	-80.3	-2.2133	28.1257	63.9232	
6	0.0924	630.677	-84.679	-0.0016		-74.112	-3.7933	29.751	67.2075	
6	0.0836	588.916	-88.885	-0.2457	37.8658	-79.942	15.6095		43.0774	
6	0.0788	336.176	-67.502	-0.201	38.1237	-36.898	-1.4977	14.3213		
6	0.0766	410.67	-72.433	-0.0919	-6.0374		-15.233	26.4037	23.6162	
6	0.0446	180.132		-0.0972	-10.567	-40.131	-16.739	28.8111	14.7483	
7	0.2867	163.609	-20.41	0.75474	9.62388	-99.313	14.0592		71.8198	-39.519
7	0.2863	177.757	-17.764	0.78447		-94.587	14.9478	-1.5594	73.6205	-39.915
7	0.2847	53.9625		0.75559	8.07571	-92.37	14.6581	-5.2592	59.7234	-41.44
7	0.2831	126.32	-15.274	0.76395	3.71749	-84.104		6.67109	68.6371	-39.036
7	0.269	-139.89	1.30037	0.56846	38.8699	-51.605	16.7599	-17.614	-39.516	
7	0.2612	-74.319	-3.4333	0.67268	-12.984		-0.6079	-3.6254	21.3091	-38.844
7	0.2603	113.889	-27.678		52.4007	-91.159	22.1053	-18.392	46.0036	-33.954
7	0.0932	606.221	-87.242	-0.0608	15.1732	-79.763	-1.4363	26.3016	61.7655	
8	0.2869	156.542	-20.041	0.73219	13.2944	-99.529	17.0042	-4.5669	68.8493	-39.897

LAG 4

Number	RSquare	Intercept	LALK_4	LCA_4	LCL_4	LDOC_4	LSIO2_4	LSO4_4	LTKN_4	LTPO4_4
In Model										
1	0.1505	-41.136								-21.603
1	0.1241	107.375		-0.8283						
1	0.0585	-35.772						21.5681		
1	0.0468	-123			34.2756					
1	0.044	-15.857					21.6671			
1	0.0432	11.9909							40.7018	
1	0.0179	-38.192				22.4627				
1	0.0082	-48.261	16.7177							
2	0.2578	-320.82			53.7293					-26.475
2	0.247	-106.14							62.6982	-25.905
2	0.2248	-135.08						24.3812		-22.777
2	0.1968	-283.21	41.5581							-25.319
2	0.1951	21.81		-0.5451						-16.29
2	0.1901	-96.041					20.5623			-21.292
2	0.1792	-148.11				28.5747				-22.458
2	0.1758	-66.28		-0.8451	36.0654					
2	0.152	56.0912		-0.7787			17.387			
2	0.1518	78.4345		-0.7807					32.8658	
2	0.1498	45.9271		-0.7328				14.7509		
2	0.1299	29.8195	14.0598	-0.8209						
2	0.1283	64.4014		-0.7972		11.1867				
2	0.0969	37.0983	-90.803		103.762					
2	0.0676	65.8809	-23.69					29.2237		
2	0.0659	-45.653					10.8907	16.1544		
2	0.0659	-121.64			25.3197		15.4227			
2	0.0638	-89.768			15.5672			15.6959		
2	0.0626	227.968	-44.94						79.8446	
2	0.0616	-29.909						16.7895	15.1578	
2	0.0588	-26.861				-3.6517		22.7503		
2	0.0536	-12.594					13.5345		24.6314	
2	0.0507	-123.18			47.2216	-17.266				
2	0.0485	-80.651			22.9927				16.1159	
2	0.046	-40.174				8.44741	19.3515			
2	0.0442	-0.7114	-3.2093				22.5564			
2	0.0437	28.5228				-5.546			45.3628	
2	0.0183	-21.682	-5.6305			26.4108				
3	0.2917	-252.36		-0.4767	51.153					-21.595
3	0.2823	-197.4	-64.169		101.823					-25.098
3	0.2819	-334.61			87.8472	-43.755				-28.259
3	0.2661	-56.135		-0.3687					55.5293	-21.819
3	0.2633	-315.54			48.4129		8.38515			-25.866
3	0.2626	-298.86			43.2521			8.45539		-25.932
3	0.2612	-261.78			37.84				22.827	-26.6
3	0.2553	144.506	-115.66	-0.9473	124.791					
3	0.2533	-50.852				-19.422			79.5064	-26.476
3	0.2531	-127.87						9.77341	47.3332	-25.321

3	0.2507	-8.0709	-19.813					79.4259	-25.281
3	0.247	-105.25				-0.6591		63.5382	-25.972
3	0.2429	-78.148		-0.3645			20.5288		-19.039
3	0.2274	-139.77				6.36517	21.1863		-22.527
3	0.2271	-193.07	35.1449	-0.4571					-20.29
3	0.2265	-185.19	10.858				20.972		-23.584
3	0.2254	-33.095		-0.4887			18.1217		-16.566
3	0.2249	-137.78				1.07751		24.0343	-22.792
3	0.2195	-53.897		-1.0393	83.0373	-62.098			
3	0.2093	-65.323		-0.4628		20.7367			-17.712
3	0.207	-245.68	29.5024				12.2442		-24.056
3	0.1981	-146.86				16.8987	15.9001		-21.869
3	0.1968	-282.39	41.0646			0.55119			-25.291
3	0.1832	-67.46		-0.8148	30.3691		9.699		
3	0.1804	-135.61		-0.8941	55.5199				-27.639
3	0.1758	-65.93		-0.8436	35.8084		0.21292		
3	0.1632	242.209	-34.533	-0.755				63.2021	
3	0.1584	57.8069		-0.7684		10.7763		20.1945	
3	0.1583	35.8453		-0.7374		11.6734	8.90562		
3	0.1578	137.433		-0.8107		-18.937		48.4804	
3	0.1558	55.5549		-0.7461			7.98782	21.0602	
3	0.1543	108.802	-130.03		117.041		28.8323		
3	0.152	60.5837		-0.7817		-1.4654	17.7723		
3	0.152	63.3311	-1.5422	-0.7783			17.8165		
3	0.1518	92.1758	-11.265	-0.7141				18.5658	
3	0.1511	65.3996		-0.7384		-7.7244		17.1996	
3	0.1301	112.634	-106.76		89.2916			22.3873	
3	0.13	31.8763	11.8609	-0.8148		2.62201			
3	0.1054	148.787	-99.138		84.2985			36.9121	
3	0.0971	35.1013	-89.69		105.406	-3.3279			
3	0.0932	240.35	-59.099					22.306	58.2407
3	0.0787	74.1765	-28.48				13.5115	24.0552	
3	0.0762	-121.68			45.3396	-29.043	18.4466		
3	0.0719	198.471	-43.633				12.781		63.5306
3	0.0714	-100.58			15.8033		11.0093	10.1342	
3	0.0712	-86.222			31.5273	-24.139		17.4903	
3	0.0704	75.1028	-33.892			14.1605		27.9362	
3	0.0697	-204.73			44.1976		21.2715		-31.815
3	0.0668	-30.418				-6.452	11.4521	17.9642	
3	0.0665	-41.693					9.59833	14.525	7.20642
3	0.0646	226.915	-52.298			12.2174			75.9863
3	0.0646	6.47664				-13.482		18.313	24.1706
3	0.0638	-87.897			15.1135			15.6243	0.76984
3	0.0541	3.24794				-5.2968	13.5052		29.1177
3	0.053	-73.275			35.0176	-18.728			18.9974
3	0.0504	17.9911	-19.91			20.8812	21.4598		
4	0.3428	-245.1		-0.675	102.555	-67.295			-22.31
4	0.3344	-65.486	-87.288	-0.6089	115.86				-18.369
4	0.3049	-133.21	-91.462		110.516		18.5517		-23.166
4	0.2962	-233.89	-50.844		118.719	-34.476			-26.79
4	0.2957	199.554	-147.49	-0.8995	134.928		24.3135		
4	0.295	-328.72			85.5676	-51.634	13.2851		-27.616

4	0.2948	-250.43		-0.4621	47.1827		6.38641		-21.281
4	0.2943	-140.73	-75.125		93.0485			13.708	-23.983
4	0.2917	-250.71		-0.4692	49.8893		1.05291		-21.605
4	0.2917	-256.89		-0.4813	52.5215				-2.0011 -21.538
4	0.2911	-83.572	-72.654		81.9442			37.6951	-25.123
4	0.2907	-305.96			76.6848	-47.739		11.5155	-27.682
4	0.2879	-256.68			68.681	-46.354			30.4466 -28.532
4	0.2806	131.45	-103.23	-1.0868	151.644	-48.104			
4	0.2755	15.7033		-0.3995		-23.768			75.4991 -22.178
4	0.2694	36.2826	-18.769	-0.3651					71.4447 -21.268
4	0.269	-74.839		-0.3413				6.7449	45.4571 -21.72
4	0.2662	-56.505		-0.369			0.30473		55.1351 -21.785
4	0.2649	-302.81			43.1178		6.05417	5.46602	-25.685
4	0.2641	-261.7			34.0782			6.9253	15.9032 -26.118
4	0.2635	-299.29			44.6188		7.14025		6.58454 -25.993
4	0.2628	-63.989				-24.479		12.383	64.4151 -25.886
4	0.2604	8.84097	-28.971					12.7802	67.0654 -24.229
4	0.2578	161.795	-119.22	-0.9043	119.588			6.57135	
4	0.2556	125.243	-114.42	-0.9582	128.607				-6.7756
4	0.254	-14.172	-9.3575						-16.037 84.4771 -26.082
4	0.2537	-124.96					-3.303	10.4704	50.4469 -25.618
4	0.2534	-49.13					-19.503	-1.1058	80.9858 -26.592
4	0.2507	-7.1789	-19.814					-0.6604	80.2677 -25.348
4	0.2465	-82.011		-0.3753				7.54612	16.6266 -18.631
4	0.245	-132.26	11.8386	-0.3679					16.7762 -19.884
4	0.243	-73.47		-0.3667					-1.7334 21.064 -18.991
4	0.2378	-53.984		-1.0189	80.734	-71.229	15.6819		
4	0.2362	-159.06	23.8341	-0.4493			11.5985		-19.18
4	0.2283	-177.55	8.33035				5.46716	19.0214	-23.181
4	0.228	-202.45	42.437	-0.472			-8.3789		-20.546
4	0.2277	-64.687		-0.4595			9.25443	15.7144	-17.164
4	0.2274	-138.43					-0.5482	6.41484	21.3378 -22.517
4	0.2273	-193.56	16.7302				-7.483		21.5374 -23.912
4	0.224	-123.09		-1.0882	102.442	-62.085			-27.583
4	0.2196	-51.525		-1.0297	81.4305	-62.246		1.42382	
4	0.2082	-279.14		-0.9175	80.6538		24.3598		-83.674
4	0.207	-247.63	30.7291				-1.4209	12.2904	-24.123
4	0.1849	-77.604		-0.8495	36.2102		12.064	-5.991	
4	0.1806	-135.86		-0.8812	53.9199			2.23766	-29.203
4	0.1724	248.078	-43.417	-0.6936				12.6605	52.2949
4	0.1692	218.267	-33.635	-0.7439				10.2833	50.3217
4	0.1641	115.94		-0.7979			-18.531	10.5678	35.7195
4	0.1641	243.254	-29.259	-0.7722			-8.3631		65.4651
4	0.164	119.938		-0.7723					-22.745 10.2491 36.4722
4	0.1622	100.129	-15.961	-0.7114				13.1146	13.5892
4	0.162	136.539	-131.7		107.024		23.8131	11.9204	
4	0.1609	62.3779		-0.7456			-10.851	12.6263	11.8686
4	0.1604	44.0142		-0.7449				9.28567	5.81156 13.3581
4	0.1595	14.3574	-131.08		139.656			35.7185	-36.873
4	0.1578	102.052	-126.24		126.034	-16.931		30.2037	
4	0.152	62.6345	-0.7543	-0.7805				-0.9792	17.8546
4	0.1519	90.5457	-9.1374	-0.7197					-2.8186 18.7388

4	0.1321	163.991	-109.88		80.4317		20.8454	18.6923	
4	0.1313	108.453	-103.77		93.9422	-10.159	22.9549		
4	0.1058	147.123	-97.572		86.5262	-4.9777		37.3495	
4	0.0958	223.191	-57.225				6.99625	20.4805	51.0787
4	0.0938	239.607	-62.604			6.21385		21.931	56.6416
4	0.0827	-98.854			35.9595	-30.394	13.805	10.9813	
4	0.0811	-215.79			67.7955	-30.602	25.2333		-36.034
4	0.081	82.4213	-37.691			12.9209	13.2349	22.9862	
4	0.0753	-183.69			34.6871		16.8594	10.1376	-31.831
4	0.0738	197.575	-50.841			11.9571	12.7227		59.8291
4	0.0713	-79.085			29.8822	-24.261		17.2271	2.92835
4	0.069	-7.8473				-12.324	9.12238	16.0299	15.8395
5	0.3696	-94.938	-70.654	-0.7519	147.132	-57.084			-19.59
5	0.3568	-1.7973	-114.43	-0.6078	124.493		18.4757		-16.457
5	0.3546	-240.52		-0.6675	100.235	-74.486	12.567		-21.768
5	0.3432	-241.33		-0.6585	99.8741	-67.549		2.39536	-22.335
5	0.3428	-247.49		-0.6773	103.272	-67.288			-1.0569
5	0.3363	-49.619	-90.498	-0.5724	111.337			5.75139	-18.305
5	0.335	-37.829	-88.872	-0.587	109.697				10.7292
5	0.334	192.385	-137.26	-1.0655	170.096	-59.992	28.3389		
5	0.328	-32.495	-152.51	-1.0194	195.773		41.5125		-95.319
5	0.325	-168.53	-79.106		132.25	-41.862	21.151		-24.95
5	0.3109	-174.55	-61.721		110.599	-37.747		15.1904	-25.715
5	0.3077	-113.4	-92.948		104.516		15.6311	7.23605	-22.882
5	0.3066	-112.3	-59.309		98.0795	-36.428			40.9519
5	0.3049	-135.92	-91.535		111.234		18.7789		-1.1589
5	0.2988	-66.704	-79.481		79.9273			11.3425	27.7522
5	0.298	-320.05		-0.5205	65.2053		12.0985		-31.548
5	0.2973	-313.5			79.6352	-52.285	10.529	6.60802	-27.419
5	0.2972	189.877	-147.34	-0.9317	140.232		26.4895	-5.5512	
5	0.2952	-254.51		-0.4799	49.8747		7.51547	-2.8277	-21.198
5	0.295	-323.96			84.4196	-51.579	12.9161		1.92422
5	0.2934	-256.3			65.178	-48.875		9.53642	21.3267
5	0.2918	-256.94		-0.4743	51.6295			1.25021	-2.891
5	0.2834	149.423	-106.88	-1.0425	146.337	-48.319		6.85366	
5	0.2811	105.557	-101.51	-1.1021	156.889	-48.334			-9.0859
5	0.2808	0.07935		-0.3658		-27.253		9.43323	64.3409
5	0.2799	-331.09		-1.1882	155.425	-83.018	36.0185		-110.42
5	0.2756	31.6648	-4.191	-0.3967		-22.221			77.7534
5	0.2755	15.9288		-0.3993		-23.778	-0.1605		75.7153
5	0.2747	44.0665	-25.734	-0.325				9.56021	63.0743
5	0.2694	35.9208	-18.768	-0.3654			0.29427		71.0632
5	0.2691	-73.927		-0.3383			-1.5689	7.1027	46.9526
5	0.2651	-287.32			39.5093		4.87263	5.4432	6.30089
5	0.2648	2.77199	-17.352			-18.685		13.5662	72.1905
5	0.2639	-57.899				-25.251	-4.6319	13.4427	69.3205
5	0.2613	15.6583	-29.647				-4.1256	13.7209	71.4147
5	0.2585	131.532	-117.52	-0.9179	125.394			7.26329	-11.285
5	0.254	-12.82	-9.2936			-16.136	-1.0293		85.8202
5	0.2475	-121.8	8.81014	-0.3765			6.59998	14.3232	-19.311
5	0.2473	-144.34	22.3515	-0.3875		-13.33		17.5593	-20.271
5	0.2468	-71.82		-0.3807		-3.8457	7.9114	17.625	-18.507

5	0.241	-67.57		-1.0692	89.4402	-72.311	18.988	-8.145		
5	0.2376	-169.58	32.4129	-0.4673		-10.199	11.9037			-19.462
5	0.2291	-186.03	14.302			-7.6383	5.51561	19.5814		-23.513
5	0.2247	-123.4		-1.069	100.206	-62.447		3.51017	-30.035	
5	0.2114	-300.42		-0.9689	90.4324		28.122	-8.2471	-86.565	
5	0.1753	229.885	-41.395	-0.695			7.42433	10.7029	44.6821	
5	0.1737	249.535	-37.138	-0.7131		-10.35		13.0138	54.7913	
5	0.17	219.339	-28.42	-0.7609		-8.2719	10.2667		52.5808	
5	0.1678	106.337		-0.7699		-21.645	8.43926	8.16192	28.7271	
5	0.1672	41.9261	-132.75		129.675		30.707	11.9386	-36.955	
5	0.166	130.297	-127.66		116.371	-18.317	25.1049	12.3761		
5	0.1636	0.81068	-126.98		150.986	-18.558	37.67		-39.273	
5	0.1624	97.8373	-12.935	-0.7194		-4.0483	13.1968	13.8065		
5	0.1335	160.871	-106.85		85.0469	-10.541		21.3978	19.1357	
5	0.0964	222.191	-60.913			6.58094	7.08267	20.0607	49.2966	
5	0.0877	-193.4			58.5023	-31.968	20.6102	11.029	-36.239	
6	0.4023	-21.657	-101.28	-0.7718	162.293	-65.548	22.5251			-17.44
6	0.3817	-95.696	-141.38	-1.2475	252.42	-72.225	50.4033		-117.73	
6	0.3718	-78.381	-73.974	-0.714	142.476	-57.243		6.03113	-19.526	
6	0.3701	-71.367	-72.04	-0.733	141.821	-56.949			9.11727	-19.799
6	0.3669	-109.72	-122.37	-0.7229	162.266		29.5859		-56.726	-13.991
6	0.3653	-369.37		-0.7925	138.03	-80.434	23.6969		-58.744	-19.6
6	0.3573	-6.193	-114.54	-0.6281	127.619		19.7679	-3.2079		-16.359
6	0.3558	-247.66		-0.7007	105.455	-75.13	14.6175	-5.0018		-21.626
6	0.3432	-247.57		-0.6636	101.619	-67.549		2.5932	-2.899	-22.254
6	0.3366	-32.031	-91.323	-0.5604	107.496			5.29527	7.3113	-18.479
6	0.3366	179.364	-136.88	-1.1111	177.759	-61.006	31.3076	-7.3996		
6	0.3312	-53.501	-152.44	-1.0698	205.314		45.1964	-8.0939	-98.151	
6	0.3283	-147.34	-80.557		125.989	-42.465	17.9887	7.9276		-24.664
6	0.325	-177.77	-79.33		134.719	-41.946	21.9242		-3.9164	-24.871
6	0.3161	-95.205	-66.122		96.8051	-38.635		12.6642	30.0478	-25.984
6	0.3077	-117.28	-93.055		105.54		15.9544	7.24412	-1.6651	-22.846
6	0.2988	-329.72		-0.5483	69.9571		13.984	-3.8896	-33.384	-19.913
6	0.2973	-309.76			78.7339	-52.242	10.2401	6.60156	1.52036	-27.447
6	0.2862	-362.1		-1.2666	170.92	-85.05	41.5613	-11.524	-115.11	
6	0.2844	112.082	-104.7	-1.0604	153.692	-48.696		7.70743	-13.888	
6	0.2816	39.7265	-10.765	-0.3557		-23.582		10.2488	69.1666	-21.707
6	0.2813	2.99892		-0.3606		-27.7	-2.9124	10.1415	67.4263	-22.418
6	0.2756	31.8256	-4.1843	-0.3966		-22.232	-0.1326		77.9284	-22.047
6	0.2749	47.4852	-26.174	-0.3202			-2.3881	10.1529	65.6515	-21.171
6	0.266	10.5053	-17.717			-19.366	-4.8138	14.6924	77.452	-25.533
6	0.25	-133.94	19.5157	-0.3968		-13.66	6.74781	15.0708		-19.695
6	0.1765	231.584	-35.367	-0.7138		-9.9896	7.30473	11.0754	47.214	
6	0.172	28.5036	-128.42		141.446	-19.963	32.5973	12.4365	-39.541	
7	0.4212	-174.02	-110.9	-0.9498	218.981	-72.69	38.4282		-78.944	-14.115
7	0.4035	-28.814	-101.32	-0.8055	167.619	-66.197	24.6115	-5.0796		-17.295
7	0.3874	-125.87	-140.98	-1.3219	266.884	-74.189	55.6355	-10.964	-122.18	
7	0.3719	-65.255	-74.614	-0.7048	139.571	-57.154		5.69145	5.43784	-19.654
7	0.3682	-121.54	-122.9	-0.7604	168.938		32.1431	-5.1202	-59.251	-13.725
7	0.3677	-388.03		-0.8484	147.995	-81.746	27.3684	-7.1837	-62.579	-19.255
7	0.3284	-157.92	-80.819		128.815	-42.563	18.8702	7.95106	-4.5124	-24.572
7	0.2821	44.0669	-11.105	-0.3499		-23.938	-3.0775	11.023	72.5797	-22.04

8      0.4242   -193.72   -111.49   -1.0127   230.502   -74.109   42.5923   -7.9924   -83.319   -13.702

## LAG 5

Number In Model	RSquare	Intercept	LALK_5	LCA_5	LCL_5	LDOC_5	LSIO2_5	LSO4_5	LTKN_5	LTPO4_5
1	0.3591	178.714		-1.6138						
1	0.2372	-35.287								-22.338
1	0.1411	-98.386					53.2049			
1	0.1037	-149.86						50.9088		
1	0.0674	-296.31			70.3064					
1	0.0588	-130.34				48.2976				
1	0.0446	-236.64	51.5929							
1	0.0322	0.99941							54.0096	
2	0.4482	51.3754		-1.5056			42.6477			
2	0.4378	101.025		-1.3038						-13.907
2	0.4115	26.9675		-1.5137				36.6709		
2	0.3923	38.66		-1.5634		36.4907				
2	0.371	-268.47						58.0625		-23.807
2	0.3706	26.919	26.6058	-1.562						
2	0.3696	-327.78				74.4525				-26.27
2	0.3614	106.631		-1.5643	13.8443					
2	0.3594	172.524		-1.6001					5.65232	
2	0.3415	-142.1							100.943	-26.492
2	0.3147	-137.05					40.3647			-19.558
2	0.2651	-256.7			46.1781					-20.801
2	0.2541	-210.44	32.2678							-21.306
2	0.1552	96.1819	-45.097				73.2246			
2	0.1477	-137.45					41.8232	18.0462		
2	0.1469	-146.43				17.1333	47.5214			
2	0.1468	-198.03			23.9219		46.7078			
2	0.1424	-102.94					51.0615		11.67	
2	0.1321	-352.01			47.9579			42.2694		
2	0.1136	-200.05				22.5722		42.2469		
2	0.1093	-154.74						46.6511	23.9247	
2	0.1064	-213.08	14.9147					45.9191		
2	0.0842	-307.35			49.9159	29.8818				
2	0.0721	-262.45	31.4681			36.8872				
2	0.0686	-274.52			63.4875				13.0497	
2	0.0675	-300.42	3.37445		67.336					
2	0.0639	-123.3				40.4735			24.5327	
2	0.052	-196.76	39.5759						29.7334	
3	0.5151	-98.413		-1.1301				45.1384		-16.172
3	0.514	-143.89		-1.1312		57.7491				-18.074
3	0.5017	3.98303		-1.2609			36.7109			-11.657
3	0.4822	361.697	-70.571	-1.5645			73.563			
3	0.4629	233.77		-1.6256	-40.922		52.9206			
3	0.46	25.787		-1.1036					51.3284	-17.314
3	0.4581	71.1468		-1.5725			48.3514		-33.607	
3	0.4508	18.5729		-1.4993		11.473	38.8861			
3	0.449	36.6248		-1.4982			38.6178	6.47237		
3	0.4436	-4.6795	18.948	-1.2765						-13.478
3	0.4386	58.8295		-1.2767	8.20899					-13.81



3	0.4185	-16.002		-1.5072		18.984		29.4471		
3	0.4174	-390.77				50.1263		39.4814		-25.984
3	0.4171	-296.03						46.2096	71.0325	-26.43
3	0.4147	34.977		-1.5501				39.5978	-18.375	
3	0.4118	48.082		-1.5282	-4.606			37.3638		
3	0.4116	38.4884	-2.6411	-1.5165				37.5282		
3	0.4016	-321.88				56.1083			62.5283	-27.875
3	0.3984	36.701		-1.6185		44.8718			-27.586	
3	0.3949	104.183		-1.6156	-16.886	42.3265				
3	0.3933	1.60844	8.506	-1.5509		33.5002				
3	0.379	-319.73				61.6915	16.6907			-24.447
3	0.3776	-172.13	-23.874					66.342		-24.78
3	0.3744	66.2279	46.7666	-1.6286	-29.641					
3	0.3734	-260.43	-17.758			81.8458				-27.229
3	0.3733	-324.97						55.3732		-23.271
3	0.3721	-274.66				-16.986	81.6609			-27.216
3	0.372	12.9023	31.6081	-1.5844					-13.263	
3	0.3711	-266.82					2.22926	56.251		-23.607
3	0.3616	-175.67					23.3844		76.9506	-23.895
3	0.3615	101.6		-1.5665	15.5133				-3.341	
3	0.346	-47.43	-20.3						115.615	-27.745
3	0.346	-42.607							119.875	-28.101
3	0.33	65.5906	-47.002					61.184		-19.628
3	0.3158	-180.18				10.428		37.637		-19.399
3	0.2651	-255.57	-0.9264			46.9906				-20.804
3	0.2093	49.5446	-136.93			106.31		85.117		
3	0.1644	59.5406	-50.755				21.77	68.5147		
3	0.1617	132.268	-55.983					72.938		27.8707
3	0.1609	53.8279	-43.714					62.0083	16.8102	
3	0.1547	-251.91				26.5682		33.5026	19.798	
3	0.151	-168.06					13.4477	39.4319	14.7648	
3	0.1497	-208.17				17.7313	12.809	44.1401		
3	0.1485	-139.7						40.5258	17.4351	9.16234
3	0.1479	-296.88	-57.345			92.5392			53.423	
3	0.147	-145.5					16.3969	47.2324		2.90313
3	0.1468	-198.4				24.0315		46.7213		-0.2355
3	0.133	-351.93				43.8584	7.73546		40.0395	
3	0.1324	-363.85				51.0841			42.8811	-6.6017
3	0.1151	-194.47					18.8052		41.2525	13.7104
3	0.1143	-230.64	8.09854			20.8931			40.1819	
3	0.1099	-186.16	7.5774						44.7218	20.5208
3	0.0842	-305.87	-1.2381			50.963	29.9444			
3	0.0842	-307.23				49.8877	29.8701			0.0694
3	0.0732	-244.93	28.0973				34.3627			11.7481
3	0.0687	-277.62	2.32915			61.5208				12.8898
4	0.5434	-204.41		-1.0656		39.4648			31.247	-18.323
4	0.5353	32.497		-1.2393	-50.781	77.7035				-20.118
4	0.5331	303.086	-67.75	-1.3235				66.5391		-11.365
4	0.529	-129.63		-1.156		41.1589	21.2204			-15.576
4	0.5224	3.23711	-25.087	-1.1328					53.8072	-17.176
4	0.521	-123.08		-1.0368					41.636	27.3834
4	0.5197	-82.891		-1.1604			14.7751	32.7857		-14.647

4	0.5188	-67.752	-19.903	-1.1352		65.9758				-19.119
4	0.5181	-25.379		-1.1744	-16.489			47.7916		-16.502
4	0.5156	-150.32		-1.0827		53.9705			15.3173	-18.818
4	0.5151	178.697		-1.3784	-39.071		46.5905			-11.517
4	0.5024	-5.6985		-1.222			34.4771		10.6333	-12.5
4	0.4886	330.163	-75.18	-1.5584		18.118	69.6418			
4	0.4841	346.262	-65.013	-1.5903			73.7259		-15.306	
4	0.4826	353.8	-78.545	-1.5429	9.63959		74.6366			
4	0.4826	350.739	-70.159	-1.5595			70.8831	4.01483		
4	0.4728	221.073		-1.6491	-53.429	23.9375	48.2118			
4	0.467	13.1727		-1.585		22.8665	42.9901		-46.192	
4	0.467	152.178		-1.1166	-31.176				74.4256	-19.218
4	0.4656	207.234		-1.6394	-32.397		54.0871		-19.484	
4	0.464	-14.81	-73.642					64.8838	112.171	-30.951
4	0.4631	224.638		-1.6206	-40.339		50.9893	2.8668		
4	0.4602	43.2043	-3.9504	-1.097					54.4807	-17.613
4	0.4595	52.8857		-1.5649			43.3712	8.26317	-34.578	
4	0.4511	12.3773		-1.4953		10.5069	36.7556	3.93055		
4	0.4463	29.0316	36.1808	-1.3352	-25.262					-13.388
4	0.4435	-219.08	-50.577			63.4103		52.097		-28.623
4	0.4394	-379.51				37.1589		35.5267	52.5066	-27.36
4	0.4354	-82.818			-75.106	75.0519			106.6	-33.188
4	0.4298	-136.47			-42.561			49.3048	101.354	-29.172
4	0.4277	-22.036		-1.5721		28.2604		31.3849	-34.325	
4	0.427	-124.99	-51.214			69.2009			90.5804	-31.359
4	0.4225	-312.42					-17.072	58.4855	80.6017	-28.31
4	0.4221	-319.7			-23.251	59.3569		40.5146		-27.271
4	0.4218	58.2758		-1.5661	-19.369	25.3959		29.9212		
4	0.4211	-412.79				54.9007	-13.961	49.0569		-27.44
4	0.4195	20.9075	-9.4684	-1.5165		20.9248		31.782		
4	0.4149	13.3668		-1.5398	4.96965			39.2782	-21.062	
4	0.4148	17.3956	4.21776	-1.5494				38.5274	-20.249	
4	0.4118	46.8577	2.22082	-1.5317	-6.4522			36.9207		
4	0.4099	195.965	-89.822				56.2967		108.104	-25.783
4	0.4078	-58.901	-65.437			68.8852	42.9153			-25.114
4	0.4067	-243.33	-83.714		77.6798			72.2105		-24.257
4	0.4052	68.3167	41.6277	-1.6707	-54.374	40.646				
4	0.4035	-318.54				51.5346	7.88476		57.5701	-26.886
4	0.4021	-41.397	17.8026	-1.6081		40.9716			-35.35	
4	0.3988	67.3241		-1.6362	-7.8321	46.5845			-24.314	
4	0.3853	-230.34			-27.979	70.5766	20.5998			-25.578
4	0.3839	-79.134	-42.859				22.0647	54.9957		-23.58
4	0.3748	54.5749	47.511	-1.6343	-26.681				-7.3116	
4	0.3737	-12.802			-42.672		28.5686		104.04	-26.072
4	0.3735	-256.52	-15.008		-4.5872	82.6474				-27.336
4	0.3734	-331.48			15.2411		-2.2397	56.9624		-23.426
4	0.3614	31.4946	-117.54			81.7849		71.0343		-18.485
4	0.3469	-25.321	-12.282		-14.908				121.142	-28.212
4	0.2184	-5.9912	-138.41			110.058		71.2647	21.3894	
4	0.2096	43.591	-135.52			103.383	4.30025	83.8592		
4	0.2093	46.8583	-136.97			107.168		85.2313		-1.7843
4	0.1671	34.3557	-48.927			18.5749	61.1123	12.1302		

4	0.1669	90.8867	-56.995			17.5804	69.2281		18.764
4	0.1661	91.1986	-53.664				63.0538	14.8571	25.0626
4	0.1555	-252.15			22.8685	7.10794	33.3973	17.8196	
4	0.1549	-262.44			29.3443		33.454	20.3677	-5.797
4	0.1511	-167.16				12.7596	39.1682	14.7508	2.72628
4	0.1499	-217.36			19.8654	13.68	44.2791		-5.4858
4	0.1484	-310.68	-57.589		96.4385			54.1963	-7.8345
4	0.1482	-297.67	-56.475		89.7927	3.90555		52.1278	
4	0.1336	-368.88			47.6393	9.05628		40.5355	-9.4623
4	0.1153	-212.95	4.69226			18.3424		40.1907	11.8539
4	0.0842	-305.63	-1.2454		50.9154	29.9225			0.13211
5	0.5708	194.213	-79.046	-1.2093		48.9017	53.108		-15.973
5	0.5677	-19.226		-1.1777	-54.172	59.8496		32.7884	-20.516
5	0.5658	-47.987	-46.866	-1.0503		51.9267		43.0548	-20.877
5	0.5658	119.628		-1.3165	-69.75	60.4564	31.5946		-17.163
5	0.5546	110.935		-1.1083	-80.806	74.3014			61.6185
5	0.5476	208.583	-64.055	-1.2296			45.1687	29.5094	-14.072
5	0.5439	-207.13		-1.0396		37.6237		30.807	8.50734
5	0.5435	-199.42		-1.0721		38.5627	2.44806	29.5179	-18.021
5	0.5432	57.0356	-51.916	-0.9281				55.2806	60.9638
5	0.5424	327.933	-81.815	-1.187			64.1374		40.9091
5	0.538	15.2878	21.5245	-1.2748	-69.533	76.1751			-19.743
5	0.5364	55.0747		-1.0509	-46.896			44.9845	60.2017
5	0.5335	295.169	-75.743	-1.3018	9.66244		67.6152		-11.365
5	0.529	-128.76		-1.1614		41.349	21.4908		-1.6278
5	0.5289	73.4395		-1.2703	-32.737		25.5631	29.0341	-14.187
5	0.5258	-32.871	-32.961	-1.0243		62.5122			35.9197
5	0.5247	223.089		-1.2719	-58.126		41.9916		44.8274
5	0.5228	-10.611	-33.145	-1.1056	10.4978			54.9023	-17.289
5	0.5223	-107.59		-1.0782			8.94657	35.0203	20.628
5	0.5021	-75.77	-86.799			49.5012		53.9887	94.842
5	0.4942	290.846	-66.491	-1.604		24.3247	68.5996		-28.277
5	0.4886	332.768	-71.349	-1.569	-4.8766	18.9171	68.9257		
5	0.4886	331.493	-75.278	-1.559		18.2704	69.999	-0.5845	
5	0.4853	327.307	-78.499	-1.5566	18.0982		75.7853		-19.399
5	0.4846	331.623	-64.196	-1.5854			70.3578	5.0591	-16.13
5	0.4831	339.891	-79.205	-1.534	11.0164		71.6643	4.68265	
5	0.4792	176.051		-1.6761	-42.508	29.052	49.0657		-31.065
5	0.4733	-140.34			-75.15	56.1037		35.5453	96.5991
5	0.4732	234.983		-1.6587	-55.176	25.4816	51.0231	-4.6238	
5	0.4706	125.823	24.9597	-1.1669	-51.819				69.8029
5	0.4673	7.59472		-1.5813		21.9773	41.0626	3.54414	-46.119
5	0.4672	49.4244	-86.492				15.7995	56.781	110.494
5	0.466	190.337		-1.6319	-30.891		50.9375	4.78345	-20.702
5	0.4659	-46.955	-87.1		22.2825			66.6758	103.815
5	0.4601	71.1941	-97.612			56.6306	42.1187		89.5087
5	0.4512	-417.75				43.1521	-25.82	52.3705	63.9918
5	0.4489	-246.61	-75.313		36.4747	55.4268		56.646	-27.893
5	0.4453	-168.29	-60.067			61.8741	11.7812	46.3839	-27.889
5	0.4398	-66.727			-78.536	68.8254	12.2257		100.925
5	0.4389	-49.587	-24.163		-56.363	76.5015			108.837
5	0.4322	-164			-38.204		-11.66	57.3728	104.786

5	0.4282	9.01302		-1.59	-7.9446	29.9939		31.3921	-31.008	
5	0.4277	-20.921	-0.2813	-1.5722		28.2886		31.4481	-34.216	
5	0.4239	-349.42			-18.828	61.114	-10.273	47.364		-28.098
5	0.4223	53.0702	10.0812	-1.5832	-28.259	26.2725		27.6528		
5	0.4188	-120.04	-117.24		86.4113		31.1531	56.8504		-22.505
5	0.4149	12.2848	2.00302	-1.5429	3.29838			38.8773	-21.048	
5	0.4124	172.611	-108.49		26.3512		59.9341		97.8485	-24.831
5	0.4119	-58.971	-91.536		32.5826	61.4075	48.8228			-24.063
5	0.4102	24.8491	43.8238	-1.6969	-46.139	45.3602			-27.425	
5	0.2188	-19.83	-138.65		113.968		71.2658	22.1643	-7.8554	
5	0.2186	-3.9924	-139.47		112.299	-3.0684	71.6011	22.2557		
5	0.2097	37.2991	-135.41		104.735	4.8849	83.9214		-3.6415	
5	0.1695	65.4097	-54.998			14.6513	62.0553	11.7108	18.0679	
5	0.1559	-267.48			26.2871	8.28454	33.3093	18.3194	-8.4172	
5	0.1488	-314.61	-56.475		93.573	5.22627		52.6237	-9.4614	
6	0.5827	53.7146		-1.0653	-80.622	57.9596		30.7104	54.7248	-24.223
6	0.5811	119.839	-75.323	-1.1357		46.3376	35.703	25.0063		-18.025
6	0.5772	-2.4249	-64.908	-0.9043		46.7927		45.227	45.8911	-24.071
6	0.5755	217.873	-88.672	-1.1161		46.3757	52.0585		29.6952	-18.044
6	0.5754	164.14		-1.2096	-88.894	60.4976	26.9689		44.9885	-20.664
6	0.5745	206.512	-53.345	-1.2677	-32.907	55.4883	47.6343			-16.593
6	0.5726	48.0839		-1.2432	-63.423	56.8855	17.4909	20.6971		-18.733
6	0.5699	-9.0307	-23.164	-1.1295	-34.537	58.6207		38.0659		-20.984
6	0.5612	224.406	-80.757	-1.0474			38.8954	34.0985	50.2493	-18.401
6	0.5555	98.1855	12.4771	-1.1336	-90.614	73.5357			59.4396	-23.954
6	0.549	188.856	-79.392	-1.1832	18.7453		46.2688	30.8731		-14.197
6	0.544	80.6327	-42.26	-0.9528	-15.03			53.8159	65.2362	-22.075
6	0.5439	-206.09		-1.0417		37.5174	0.4619	30.496	8.21188	-18.661
6	0.5427	337.591	-75.005	-1.1981	-9.5081		62.8981		43.9828	-14.785
6	0.5414	113.077		-1.1361	-53.969		17.989	32.1872	51.5684	-18.485
6	0.5031	-39.248	-93.568			48.4523	8.66557	49.7755	94.2889	-32.433
6	0.5028	-58.766	-79.084		-13.826	51.8895		52.3512	99.1909	-33.475
6	0.4942	287.858	-69.418	-1.5963	3.96931	23.8113	69.1595		-28.901	
6	0.4942	291.534	-66.544	-1.6043		24.4005	68.7817	-0.2974	-28.269	
6	0.4887	335.834	-71.021	-1.5719	-5.5488	19.3373	69.5539	-1.1894		
6	0.4862	305.275	-79.43	-1.5452	20.7874		71.6704	6.64035	-21.089	
6	0.4796	-185.85			-69.78	59.2046	-19.191	48.0633	101.985	-34.521
6	0.4794	186.03		-1.6823	-43.83	30.0276	50.9525	-3.1217	-30.659	
6	0.4706	21.1276	-108.12		30.5765		19.6891	57.2453	98.6133	-28.929
6	0.4615	81.4939	-82.951		-21.47	60.592	38.1633		96.5636	-30.252
6	0.4528	-174.14	-95.587		44.6961	51.2477	18.2483	48.8222		-26.593
6	0.4288	2.8308	11.1732	-1.6092	-17.702	31.0039		28.8903	-31.268	
6	0.2189	-17.37	-139.34		115.148	-2.0502	71.4905	22.6801	-7.2173	
7	0.5889	138.997	-87.228	-1.0035		42.6652	31.6463	28.8796	38.503	-21.028
7	0.587	72.9815	-31.787	-0.9911	-55.593	56.1365		37.8022	58.6838	-25.132
7	0.5843	86.7107		-1.1133	-83.729	56.3916	10.2221	23.8247	49.9671	-22.859
7	0.5839	249.137	-52.554	-1.163	-52.34	55.6026	42.833		44.3836	-20.055
7	0.5828	134.694	-57.81	-1.1825	-22.828	51.1248	33.3855	22.8804		-18.281
7	0.5612	227.389	-78.903	-1.0509	-2.5932		38.6425	33.9836	51.0561	-18.453
7	0.5034	-33.663	-86.968		-9.7142	50.3131	7.15587	49.3589	97.4409	-32.866
7	0.4942	287.438	-69.458	-1.596	4.06082	23.7607	69.0794	0.15191	-28.92	
8	0.5944	172.737	-57.53	-1.0535	-43.246	50.661	26.0702	25.9842	49.7563	-22.39

LAG 6

Number	RSquare	Intercept	LALK_6	LCA_6	LCL_6	LDOC_6	LSIO2_6	LSO4_6	LTKN_6	LTPO4_6
In Model										
1	0.2602	173.808		-1.5756						
1	0.1629	-40.388								-21.88
1	0.1546	579.554			-106.25					
1	0.0214	287.482	-43.363							
1	0.0187	-100.56				38.7652				
1	0.0104	-68.927					37.0418			
1	0.0067	69.626							-26.536	
1	0	39.6008						0.94585		
2	0.3546	585.359		-1.4039	-84.375					
2	0.3014	471.927			-100.71					-20.8
2	0.301	102.317		-1.2746						-12.162
2	0.2634	109.628		-1.5599			20.7348			
2	0.2627	256.948	-15.213	-1.5456						
2	0.2616	185.003		-1.5655					-12.179	
2	0.2611	139.702		-1.5556		8.73871				
2	0.2608	157.345		-1.5783				4.15347		
2	0.2551	401.384			-142.96	97.865				
2	0.1933	705.171			-146.84				80.1429	
2	0.1871	-217.07					56.8778			-22.978
2	0.1774	-166.26				34.1679				-21.614
2	0.1663	-64.761							20.2041	-23.03
2	0.1659	464.164			-106.56		38.5599			
2	0.1633	-79.513	6.6147							-22.374
2	0.1629	-39.399						-0.2476		-21.881
2	0.1585	508.238	21.7184		-116.34					
2	0.1549	567.504			-106.42			3.20877		
2	0.0555	174.188	-59.197			54.5088				
2	0.0512	-149.67				70.2228			-68.509	
2	0.0349	177.165	-46.522				42.244			
2	0.0265	-188.43				36.1265	32.2088			
2	0.0216	278.549	-43.666					2.6485		
2	0.0215	282.272	-41.882						-3.1624	
2	0.0197	-51.717					41.579		-31.336	
2	0.0187	-103.56				38.7553		0.75615		
2	0.0155	-66.3					56.5872	-15.408		
2	0.0067	71.4677						-0.4388	-26.616	
3	0.4416	686.929			-182.18				165.369	-29.341
3	0.3989	518.487		-1.0871	-85.935					-12.67
3	0.3898	473.61		-1.2118	-110.23	60.9445				
3	0.3889	703.511		-1.3886	-122.81				75.4209	
3	0.3866	313.011			-134.88	90.3247				-19.731
3	0.369	107.39	100.001		-145.32					-27.789
3	0.3681	453.254	40.285	-1.4467	-102.43					
3	0.3588	514.136		-1.3848	-84.86		23.7739			
3	0.3556	564.323		-1.407	-84.617			5.60464		
3	0.326	294.465			-100.87		57.3894			-21.906

3	0.3103	-14.808		-1.2201		35.7405		-13.268
3	0.3028	54.038		-1.2432	12.1516			-12.307
3	0.3021	87.9464		-1.2667			11.1787	-12.859
3	0.3017	52.6215	8.42709	-1.2759				-12.781
3	0.3015	464.642			-100.81		1.95573	-20.788
3	0.3013	91.1144		-1.2774			2.88046	-12.126
3	0.2667	197.185	-17.332	-1.5239		23.0495		
3	0.2655	116.24		-1.5456		23.0597		-15.023
3	0.2654	113.601		-1.5052	21.4427			-25.548
3	0.2652	226.145	-20.468	-1.5003	15.2508			
3	0.2641	83.5091		-1.5437	7.33645	19.9224		
3	0.2636	109.582		-1.555		24.5929	-3.0012	
3	0.2635	241.042	-15.714	-1.5476			4.70377	
3	0.2629	248.301	-12.749	-1.546				-5.2421
3	0.262	170.378		-1.5683			3.53436	-11.51
3	0.2617	123.992		-1.5585	8.62942		4.07099	
3	0.2614	475.376			-156.86	87.4758		35.1395
3	0.2603	327.128			-142.25	95.4163	26.3038	
3	0.2562	366.513	11.1603		-147.78	96.8898		
3	0.2555	388.136			-143.16	97.8994		3.51086
3	0.2021	-217.75				91.613	-26.828	-23.792
3	0.1992	613.092			-144.59		28.2062	75.2486
3	0.1979	-313.08				29.6312	52.6445	-22.666
3	0.1956	678.102			-148.76		8.43091	83.0737
3	0.1934	698.1	1.84613		-147.37			79.499
3	0.1891	-231.02				55.377		15.4304
3	0.1873	-242.79	4.46062			56.663		-23.827
3	0.1778	-133.55	-6.7091			36.0619		-23.307
3	0.1775	-169.02				36.6212		-21.099
3	0.1774	-164.67				34.1727		-5.197
3	0.1692	463.677			-106.03		54.4565	-12.537
3	0.1687	410.03	18.2342		-115.02		36.6414	
3	0.1664	-53.82	-2.0412					21.1423
3	0.1664	-67.926					0.74809	20.3489
3	0.1633	-77.852	6.69605				-0.5361	-23.034
3	0.1588	499.512	21.4199		-116.34		2.58455	-22.383
3	0.0666	66.3384	-42.896			70.7957		-44.911
3	0.0657	82.9093	-61.238			52.0261	36.9295	
3	0.0621	-256.62				68.6966	38.2789	-72.015
3	0.0558	163.949	-59.557			54.565		3.00103
3	0.0515	-138.31				70.6235		-3.0047
3	0.0396	178.148	-46.228				61.1384	-14.92
3	0.0352	163.085	-43.088				42.938	-7.4455
3	0.0303	-182.01				34.8831	49.5615	-13.548
3	0.0286	-44.251					69.3605	-21.096
3	0.0217	275.257	-42.553					2.48362
4	0.4951	690.576		-0.8283	-158.87			140.888
4	0.4842	376.379	80.2804		-211.22			151.601
4	0.4605	562.997			-185.05	47.6869		134.578
4	0.4548	548.614			-179.42		42.272	159.524
4	0.4527	188.535	89.6286	-1.0118	-126.94			-19.498
4	0.4464	647.905			-185.15		12.1214	170.081
								-29.513

4	0.4408	391.156		-0.8528	-114.34	66.6701				-13.633
4	0.4353	17.7498	85.7394		-169.41	80.498				-25.841
4	0.4103	393.463		-1.0247	-86.893		39.5671			-13.9
4	0.4042	588.417		-1.2548	-130.15	43.8737			53.3043	
4	0.4018	180.967			-133.27	85.7531	45.3027			-20.659
4	0.3995	502.609		-1.0908	-86.114			4.30576		-12.617
4	0.398	377.396	31.6887	-1.2587	-122.65	56.7442				
4	0.3929	615.172	23.0544	-1.4148	-129				67.2905	
4	0.3925	669.623		-1.3938	-125.13			10.5527	79.0717	
4	0.3923	421.97		-1.2016	-110.02	59.5706	18.0783			
4	0.3908	453.177		-1.215	-110.45	60.9006		5.46555		
4	0.3903	658.495		-1.378	-121.89		13.7933		73.0634	
4	0.3899	-46.464	97.3127		-144.27		52.9235			-28.621
4	0.3868	304.398			-135.01	90.3525		2.29905		-19.718
4	0.3708	402.25	38.2255	-1.4291	-101.9		19.2792			
4	0.369	111.729	100.229		-145.35			-1.3886		-27.813
4	0.3687	437.93	39.789	-1.4487	-102.4			4.5162		
4	0.3589	513.936		-1.3815	-84.825		26.4583	-2.0891		
4	0.3376	287.911			-99.692		87.9045	-23.573		-22.634
4	0.3136	-21.464		-1.1819			52.8167	-12.677		-13.957
4	0.3115	-51.227		-1.1958		9.9976	34.7331			-13.356
4	0.3109	-23.331		-1.2152			34.9958		8.5287	-13.776
4	0.3108	-54.919	7.00539	-1.2218			35.3743			-13.771
4	0.303	43.6764		-1.2461		12.0678		2.74982		-12.271
4	0.3029	33.4067	4.38029	-1.2473		10.8428				-12.613
4	0.3029	56.7725		-1.2455		10.0539			4.3558	-12.554
4	0.3025	73.7387		-1.2695				3.43986	11.8241	-12.856
4	0.3022	62.8209	4.73908	-1.269					8.98403	-13.07
4	0.3019	45.0079	8.04557	-1.2783				2.53617		-12.721
4	0.2692	46.7496		-1.4864		21.144	22.7525			-28.168
4	0.2688	170.863	-22.149	-1.4825		14.2289	22.1171			
4	0.2671	182.847	-13.833	-1.5239			23.7555			-7.5819
4	0.267	181.327	-14.302	-1.4807		22.4292				-18.381
4	0.2669	197.322	-17.368	-1.5187			27.0491	-3.1075		
4	0.2662	117.042		-1.5344			30.6882	-5.6911		-17.042
4	0.2659	210.033	-20.986	-1.5022		15.2883		4.74228		
4	0.2656	104.288		-1.5086		20.983		2.62079		-24.765
4	0.2654	402.938			-154.89	86.337	23.1061			31.716
4	0.2642	84.0931		-1.5397		7.16058	23.4668	-2.742		
4	0.2636	235.727	-13.915	-1.5478				4.43816		-3.7668
4	0.2625	458.326			-158.12	86.8361		5.83381		37.4965
4	0.2615	460.911	3.72879		-157.95	87.545				33.8033
4	0.2612	328.088			-141.66	94.5713	34.6932	-6.5309		
4	0.261	301.487	8.97763		-146.15	94.7113	25.4498			
4	0.2565	355.636	10.7844		-147.8	96.9539		3.19366		
4	0.211	-305.48				27.0893	85.6656	-25.223		-23.458
4	0.2026	-259.56	7.25138				91.7015	-27.166		-24.337
4	0.2025	-224.47					89.6943	-25.906	7.45845	-24.175
4	0.1992	612.643			-144.46		28.7155	-0.3778	75.0289	
4	0.1992	612.186	0.24893		-144.66		28.1916		75.1643	
4	0.1983	-278.76	-7.0725			31.623	52.7005			-22.123
4	0.1982	-317.57				33.0463	52.8642		-7.2745	-22.229

4	0.1956	678.188	-0.0235		-148.76			8.43213	83.0823	
4	0.1891	-219.11	-2.2269				55.3847		16.4533	-23.719
4	0.1778	-138.73	-5.9588			37.2			-2.8596	-20.983
4	0.1778	-133.17	-6.6892			36.0578		-0.1207		-21.101
4	0.1775	-166.46				36.7252		-0.6761	-5.4	-21.291
4	0.172	409.735	18.1701		-114.46		52.4982	-12.501		
4	0.1664	-56.254	-2.2973					0.90016	21.4343	-22.924
4	0.0784	-38.92	-43.987			69.2298	39.6407		-47.942	
4	0.0733	-253.96				70.6124	69.3383	-23.655	-81.051	
4	0.0687	85.9901	-60.642			50.7645	52.3333	-12.062		
4	0.0666	66.5001	-42.878			70.8044		-0.0666	-44.938	
4	0.0411	149.07	-39.049				65.5763	-17.287	-15.459	
5	0.5323	399.779	75.1263	-0.7866	-187.21				129.237	-26.844
5	0.5023	611.56		-0.7538	-162.79	30.2778			123.541	-21.186
5	0.5019	590.068		-0.7854	-158.07		30.6597		137.917	-22.641
5	0.5002	650.499		-0.8303	-161.86			12.451	145.667	-22.04
5	0.4987	282.919	76.2868		-212.29	41.9061			125.228	-32.104
5	0.4959	251	78.9417		-208.12		39.9011		146.313	-34.644
5	0.4866	355.963	78.3831		-212.64			8.62116	155.278	-34.247
5	0.4845	107.547	81.3076	-0.8134	-148.03	58.4442				-19.708
5	0.4715	443.768			-182.36	44.9127	38.6423		131.026	-27.781
5	0.4641	533.074			-187.53	46.2247		10.4748	139.594	-27.401
5	0.4625	77.2107	88.3461	-0.9549	-127.25		36.7255			-20.541
5	0.4548	546.978			-178.97		44.1198	-1.3697	158.736	-29.857
5	0.4527	185.023	89.4266	-1.013	-126.9			1.1541		-19.468
5	0.4493	287.008		-0.8064	-114.24	64.4995	34.2721			-14.667
5	0.4488	-101.93	84.3029		-167.32	76.3477	42.7595			-26.613
5	0.4413	376.309		-0.8566	-114.48	66.6161		4.05421		-13.582
5	0.4353	19.6546	85.842		-169.41	80.4789		-0.6028		-25.852
5	0.4132	386.562		-0.9882	-86.783		55.9448	-12.162		-14.56
5	0.4081	179.446			-131.43	83.203	68.4568	-17.609		-21.24
5	0.4078	505.52	21.9862	-1.2813	-135.97	43.3595			45.8099	
5	0.4069	562.633		-1.2632	-131.93	42.5871		9.08016	57.0943	
5	0.4054	548.133		-1.2461	-129.26	43.5542	12.6004		51.3118	
5	0.4048	-63.208	99.9665		-144.12		87.4722	-26.783		-29.632
5	0.3996	339.28	30.2412	-1.2482	-121.91	55.805	14.8824			
5	0.3987	361.672	31.1765	-1.2607	-122.63	56.775		4.62213		
5	0.3958	592.622	20.9842	-1.4171	-130.53			9.49264	71.3047	
5	0.394	578.552	22.2077	-1.4045	-127.96		12.215		65.5014	
5	0.3925	671.98		-1.3947	-125.27		-1.0363	10.8721	79.3593	
5	0.3923	421.956		-1.2021	-110.04	59.6012	17.6397	0.33911		
5	0.3709	402.225	38.179	-1.4264	-101.85		21.4335	-1.6724		
5	0.3146	-55.321		-1.1601		9.33618	51.4828	-12.386		-14.023
5	0.3142	-68.984	8.26495	-1.1827			52.8902	-13.053		-14.571
5	0.3138	-26.152		-1.1808			51.5624	-12.071	5.00943	-14.222
5	0.3116	-68.476	3.71556	-1.1994		8.89261	34.6502			-13.613
5	0.3115	-49.269		-1.1974		8.73966	34.6306		2.62536	-13.501
5	0.3111	-46.209	4.34622	-1.2174			34.944		6.51988	-13.969
5	0.3032	45.9512		-1.2492		9.51052		3.0279	5.29269	-12.567
5	0.3032	25.5489	3.97452	-1.2496		10.8851		2.59255		-12.551
5	0.303	38.8843	3.61172	-1.2481		9.64746			2.95905	-12.727
5	0.3026	54.3977	3.84349	-1.2712				3.18895	9.9971	-13.027



5	0.2711	117.254	-15.359	-1.4595		22.1934	23.5098		-20.558	
5	0.2702	44.0459		-1.4693		22.2731	32.3233	-7.1524	-31.407	
5	0.269	171.307	-22.12	-1.4787		14.0513	25.5113	-2.628		
5	0.2675	179.008	-12.901	-1.5163			29.8939	-4.6144	-9.7204	
5	0.2674	172.898	-15.201	-1.4838		21.865		3.56972	-16.864	
5	0.2655	400.199			-154.19	86.4286	25.9515	-2.1149	30.4399	
5	0.2654	394.068	2.40301		-155.59	86.3887	22.9622		30.8762	
5	0.2626	449.201	2.4501		-158.8	86.8958		5.70411	36.5661	
5	0.2619	302.309	9.02733		-145.58	93.8589	33.8691	-6.5579		
5	0.2126	-315.31				34.7768	88.2794	-26.834	-16.721	-22.505
5	0.2111	-290.09	-3.183			28.0061	85.4255	-25.021		-23.208
5	0.2027	-252.07	5.18554				90.4145	-26.463	4.90505	-24.433
5	0.1992	611.506	0.30665		-144.54		28.7217	-0.3957	74.9146	
5	0.1984	-288.23	-5.7577			33.6071	52.8415		-5.0151	-21.923
5	0.1778	-137.99	-5.8756			37.2391		-0.3071	-2.9844	-20.983
5	0.0861	-59.509	-39.377			70.7792	65.5224	-19.82	-58.036	
6	0.5384	307.455	74.4166	-0.7464	-186.19		29.0012		126.536	-27.514
6	0.5373	341.311	73.1081	-0.7252	-189.73	25.3979			114.998	-26.126
6	0.535	378.141	73.0907	-0.7892	-188.64			9.17081	133.073	-26.825
6	0.5086	172.915	75.2959		-209.37	39.337	36.8315		121.964	-32.607
6	0.5085	518.577		-0.7157	-161.87	29.0499	29.3416		121.4	-21.94
6	0.5065	579.372		-0.7599	-165.3	28.5433		11.4063	128.912	-21.37
6	0.5024	596.983		-0.7965	-159.53		23.3483	5.29804	140.659	-22.527
6	0.5004	267.6	74.7617		-213.48	40.9995		7.32247	128.921	-32.156
6	0.4967	239.501	80.0269		-206.45		48.2344	-6.2015	142.564	-34.723
6	0.492	12.2278	80.4576	-0.77	-147.59	56.4818	32.3425			-20.62
6	0.4845	103.805	81.0921	-0.8147	-147.99	58.4497		1.22712		-19.677
6	0.4716	440.913			-181.63	45.0076	41.6096	-2.2053	129.697	-27.781
6	0.4676	60.7692	90.3995	-0.9053	-128.04		58.2353	-16.023		-21.565
6	0.4579	-112.71	86.9692		-166.18	72.9897	70.4679	-21.134		-27.499
6	0.4513	282.525		-0.7789	-113.85	63.7756	47.8084	-10.008		-15.202
6	0.4099	489.141	20.2537	-1.2867	-137.09	42.2568		8.06842	49.7681	
6	0.4087	472.896	21.223	-1.2728	-134.98	43.0958	11.1046		44.3141	
6	0.4069	561.666		-1.2628	-131.88	42.5948	0.41661	8.95151	56.9747	
6	0.3996	339.236	30.2491	-1.2489	-121.94	55.8507	14.2135	0.5165		
6	0.3958	595.148	20.9865	-1.4181	-130.68		-1.1147	9.83602	71.6132	
6	0.3148	-80.357	5.37189	-1.1644		7.72288	51.7611	-12.68		-14.411
6	0.3146	-56.992		-1.1582		10.3489	51.8737	-12.613	-2.1389	-13.917
6	0.3142	-67.227	7.76706	-1.1824			52.5899	-12.887	1.18157	-14.597
6	0.3116	-65.9	3.37299	-1.1998		8.36098	34.6062		1.32216	-13.663
6	0.3032	32.4074	2.86022	-1.251		9.21987		2.85378	4.13269	-12.704
6	0.2718	109.671	-14.202	-1.447		23.0645	31.507	-6.019	-23.857	
6	0.2655	389.885	2.73756		-154.94	86.4945	26.0042	-2.2759	29.3861	
6	0.2126	-323.96	1.70208			34.6226	88.5221	-27.013	-17.452	-22.598
7	0.543	254.958	72.5141	-0.6892	-188.64	24.2682	27.9425		113.029	-26.804
7	0.5396	324.236	71.3437	-0.7304	-190.93	24.2441		8.36189	119.142	-26.142
7	0.5384	308.258	74.3418	-0.7472	-186.27		28.4544	0.3974	126.753	-27.501
7	0.5095	160.052	76.453		-207.57	39.5403	45.8454	-6.7198	117.775	-32.683
7	0.5089	524.991		-0.7254	-162.97	28.6558	23.6032	4.17116	123.783	-21.86
7	0.4958	-0.5749	82.3944	-0.7312	-147.85	55.2897	50.9786	-13.813		-21.501
7	0.4099	488.379	20.2529	-1.2864	-137.05	42.2629	0.32968	7.96666	49.6738	
7	0.3149	-90.67	6.74664	-1.161		9.6774	52.746	-13.287	-5	-14.262

8      0.543   253.983   72.5947   -0.6881   -188.55   24.3047   28.5506   -0.4432   112.767   -26.818

MULTIVARIATE  
SURFACE WATER  
Mosquitofish THg vs LOG Y  
POOLED STATIONS

LAG 0

Number In Model	RSquare	Intercept	ALK_0	CA_0	CL_0	DOC_0	SIO2_0	SO4_0	TKN_0	TPO4_0
1	0.1389	1.59735						0.03109		
1	0.0351	4.41083	-0.0037							
1	0.024	4.47377		-0.013						
1	0.0107	4.11203							-0.2584	
1	0.0081	2.95043			0.00307					
1	0.005	3.37226								1.01366
1	0.0023	3.62023				-0.0044				
1	0.0011	3.63389					-0.0106			
2	0.218	3.16823		-0.0248				0.03858		
2	0.1825	2.64548	-0.0042					0.03209		
2	0.1504	2.20463					-0.0354	0.03286		
2	0.148	1.09082			0.00326			0.03121		
2	0.1425	1.84089				-0.0056		0.03126		
2	0.1423	2.0259						0.03049	-0.147	
2	0.1405	1.58582						0.03082		0.58307
2	0.0988	3.7628	-0.0075		0.01075					
2	0.0581	4.0517		-0.0213	0.00714					
2	0.0576	3.9			0.01				-0.7515	
2	0.0363	4.23892	-0.004				0.01193			
2	0.0363	4.35041	-0.0036							0.50342
2	0.0359	4.29228	-0.0042						0.0937	
2	0.0352	4.44899	-0.0035	-0.0012						
2	0.0351	4.41703	-0.0037			-0.0002				
2	0.0292	4.42992		-0.013						1.03819
2	0.0245	4.55791		-0.0117					-0.0702	
2	0.0241	4.50517		-0.0127		-0.0011				
2	0.024	4.44118		-0.0131			0.00221			
2	0.019	2.69419			0.00425					1.57873
2	0.0185	4.14447							-0.2932	1.27816
2	0.0126	3.16621			0.00354	-0.0064				
2	0.0125	3.28686			0.00387		-0.0228			
2	0.0121	4.24003				-0.0034			-0.2485	
2	0.0112	4.22923					-0.0067		-0.2522	
2	0.008	3.60173				-0.0052				1.09682
2	0.005	3.31086					0.00289			1.08444
2	0.003	3.79078				-0.0042	-0.0091			
3	0.2924	2.37895		-0.0386	0.01073			0.04316		
3	0.2591	1.85543	-0.0083		0.0118			0.03352		
3	0.2386	2.45861		-0.0345				0.0434	0.45581	
3	0.2205	3.39762		-0.0238			-0.0168	0.03914		
3	0.2195	3.13899	0.00133	-0.0296				0.03972		
3	0.2194	3.15492		-0.0247				0.03832		0.52477
3	0.2181	3.15167		-0.0249		0.00057		0.0386		

3	0.1954	2.04059	-0.0062				0.03417	0.38744	
3	0.1839	2.80321	-0.0039				-0.0132	0.03268	
3	0.1826	2.67486	-0.0041				-0.001	0.03211	
3	0.1825	2.648	-0.0042					0.0321	-0.0279
3	0.1762	1.94273			0.00853			0.02906	-0.5728
3	0.1702	1.70116			0.00511		-0.0523	0.0339	
3	0.1546	1.3373			0.00383	-0.0078		0.03147	
3	0.1536	0.9373			0.00411			0.03071	1.13014
3	0.1529	2.37811				-0.0047	-0.0337	0.03292	
3	0.1522	2.48668					-0.0332	0.03231	-0.1093
3	0.1511	2.32274					-0.0417	0.0334	-0.4755
3	0.1452	2.20039				-0.0051		0.03071	-0.1315
3	0.1449	2.07507						0.03005	-0.1689
3	0.1447	1.84689				-0.0061		0.03096	0.67868
3	0.1258	3.83702			0.01853				-1.2988
3	0.109	3.51142	-0.0074		0.01187				4.64826
3	0.1087	4.10451	-0.0062		0.01296				1.53122
3	0.0992	3.82034	-0.0074		0.01081	-0.002			-0.3753
3	0.0989	3.7964	-0.0074		0.0108		-0.0026		
3	0.0988	3.78661	-0.0073	-0.0008	0.01075				
3	0.0822	4.47789		-0.0159	0.01126				-0.5583
3	0.0805	3.82049		-0.024	0.00941				2.30869
3	0.0678	4.47892			0.01169		-0.0349		-0.8025
3	0.0633	4.15606			0.01062	-0.0072			-0.7614
3	0.0597	4.23625		-0.0208	0.00755		-0.0141		
3	0.0591	4.1293		-0.0208	0.00727	-0.003			
3	0.0401	3.92038	-0.004				0.02516		1.06541
3	0.0374	4.06667	-0.0046				0.0138		0.11479
3	0.0366	4.42743	-0.003	-0.0028					0.58804
3	0.0365	4.28961	-0.0039					0.05745	0.4044
3	0.0363	4.27232	-0.0038	-0.001			0.01182		
3	0.0363	4.37159	-0.0035			-0.0007			0.52162
3	0.0363	4.24716	-0.004			-0.0003	0.01195		
3	0.036	4.33231	-0.004	-0.0013					0.09444
3	0.0359	4.29222	-0.0042			1.6E-06			0.09371
3	0.0352	4.45296	-0.0035	-0.0012		-0.0001			
3	0.0326	4.05015		-0.0147			0.02401		1.62989
3	0.0306	4.56035		-0.011					-0.1122
3	0.0296	4.48102		-0.0127		-0.0019			1.06745
3	0.0266	2.9406			0.00506	-0.0085			1.82166
3	0.0247	4.59172		-0.0114		-0.0012			-0.071
3	0.0246	4.52717		-0.0118			0.00205		-0.0698
3	0.0241	4.47061		-0.0129		-0.0012	0.0024		
3	0.0205	4.30262				-0.0042			-0.2827
3	0.0199	3.88626					0.01524		1.33603
3	0.0193	2.81442			0.00437	-0.0066			-0.3182
3	0.0167	3.48065			0.00429	-0.0061	-0.0219		1.67427
3	0.0124	4.33289				-0.0033	-0.0056		1.43393
3	0.0084	3.46018				-0.0055	0.00739		-0.2438
4	0.3128	2.16557		-0.0412	0.01288			0.04298	1.28357
4	0.3097	2.89939		-0.038	0.01225		-0.0463	0.04535	2.20173
4	0.2976	2.3512	-0.0027	-0.0302	0.01193			0.04132	

4	0.2928	2.43399		-0.0382	0.01082	-0.0021		0.04312		
4	0.2924	2.40043		-0.0383	0.01087			0.043	-0.0202	
4	0.267	2.18802	-0.0079		0.0125		-0.0318	0.03503		
4	0.2638	1.71099	-0.0083		0.01255			0.03304		1.04331
4	0.26	1.93816	-0.0082		0.0119	-0.0029		0.03358		
4	0.2593	1.92649	-0.0081		0.01215			0.03323	-0.0604	
4	0.2415	2.69922		-0.0336			-0.0182	0.04405	0.4606	
4	0.239	2.43417	-0.0007	-0.0324				0.04305	0.48176	
4	0.2388	2.4239		-0.0348		0.00111		0.04345	0.45725	
4	0.2387	2.46194		-0.0344				0.04333	0.45261	0.06475
4	0.2237	3.43731	0.00207	-0.031			-0.0231	0.04112		
4	0.2222	3.10464	0.00197	-0.0319				0.03988		0.79806
4	0.2206	3.36456		-0.0239			-0.0147	0.03899		0.15423
4	0.2206	3.37551		-0.024		0.00083	-0.017	0.03917		
4	0.2195	3.13208	0.00132	-0.0296		0.00024		0.03972		
4	0.2194	3.14947		-0.0248		0.00019		0.03832		0.52169
4	0.2157	2.11422			0.01532			0.02579	-1.0176	3.60705
4	0.2052	2.75065			0.01131		-0.0602	0.03189	-0.6433	
4	0.1984	1.98306	-0.007					0.03514	0.47634	-0.8991
4	0.1959	2.15726	-0.006				-0.0085	0.0345	0.37733	
4	0.1954	2.04727	-0.0062			-0.0002		0.03417	0.38695	
4	0.1847	2.9243	-0.0039				-0.0197	0.03324		-0.4864
4	0.184	2.82974	-0.0038			-0.0009	-0.0132	0.0327		
4	0.1837	2.2209			0.00923	-0.0083		0.0293	-0.5827	
4	0.1826	2.67512	-0.0041			-0.001		0.03211		-0.0044
4	0.176	1.92179			0.00562	-0.0073	-0.0514	0.03409		
4	0.1702	1.7284			0.00508		-0.0535	0.034		-0.0976
4	0.1628	1.19756			0.00499	-0.0093		0.0309		1.39472
4	0.1543	2.6167				-0.0043	-0.0319	0.03242	-0.0976	
4	0.1532	2.44367				-0.0043	-0.038	0.03327		-0.3133
4	0.1524	2.5208					-0.0369	0.03267	-0.0974	-0.2604
4	0.1514	4.42664		-0.0162	0.01989				-1.1057	4.68421
4	0.1484	3.993	-0.0044		0.01895				-0.9279	3.74365
4	0.1484	2.26968				-0.0055		0.03024	-0.1542	0.8188
4	0.1458	4.32165			0.02086	-0.0139			-1.39	5.26249
4	0.127	3.59772			0.01852		0.01414		-1.3211	5.01275
4	0.1117	3.16163	-0.0077		0.01178		0.02084			1.98887
4	0.1106	3.60727	-0.0073		0.01208	-0.0039				1.64407
4	0.1104	3.64879	-0.0064	-0.0053	0.01197					1.69871
4	0.11	4.30695	-0.0059		0.01344		-0.0128		-0.4122	
4	0.1098	4.21128	-0.0061		0.01315	-0.0032			-0.3903	
4	0.1088	4.1138	-0.0062	-0.0003	0.01296				-0.375	
4	0.0993	3.85269	-0.0074		0.01086	-0.002	-0.0025			
4	0.0992	3.83733	-0.0073	-0.0006	0.01081	-0.0019				
4	0.0989	3.82267	-0.0073	-0.0008	0.0108		-0.0026			
4	0.0876	4.85916		-0.0145	0.01241		-0.026		-0.6128	
4	0.0845	4.60839		-0.015	0.01158	-0.0046			-0.5756	
4	0.0836	3.94509		-0.0233	0.00977	-0.0054				2.44271
4	0.0827	3.52545		-0.0252	0.0093		0.01908			2.76482
4	0.0729	4.708			0.01224	-0.0069	-0.034		-0.8105	
4	0.0607	4.30836		-0.0203	0.00767	-0.003	-0.0139			
4	0.0409	4.00586	-0.0032	-0.0041			0.02665			1.22056

4	0.0403	3.95011	-0.0039			-0.0015	0.02598			1.12131
4	0.0402	3.87959	-0.0042				0.02485	0.04348		0.98364
4	0.0375	4.10194	-0.0044	-0.0011			0.01369	0.11524		
4	0.0374	4.06807	-0.0046			-4E-05	0.01381	0.11469		
4	0.0368	4.36805	-0.0034	-0.0026				0.05084	0.49428	
4	0.0367	4.44666	-0.003	-0.0028		-0.0007			0.6044	
4	0.0365	4.30767	-0.0039			-0.0005		0.05449	0.42232	
4	0.0363	4.27838	-0.0038	-0.001		-0.0002	0.01184			
4	0.036	4.33023	-0.004	-0.0013		6.6E-05		0.09462		
4	0.0345	4.17426		-0.0124			0.02586	-0.1319	1.78999	
4	0.0334	4.09934		-0.0142		-0.0027	0.02553		1.70923	
4	0.031	4.61877		-0.0105		-0.002		-0.1149	1.16956	
4	0.0266	2.96188			0.00508	-0.0084	-0.0012		1.79305	
4	0.0247	4.55884		-0.0116		-0.0012	0.00226		-0.0706	
4	0.0226	4.00989				-0.005	0.01907		-0.3119	1.84266
5	0.322	2.53072		-0.0368	0.01667			0.0396	-0.4288	3.13131
5	0.3169	2.53041		-0.04	0.01313		-0.0269	0.0443		1.55545
5	0.3147	2.26903		-0.0406	0.01316	-0.0044		0.04288		2.30951
5	0.3144	2.16378	-0.0016	-0.0361	0.01342			0.04192		2.05407
5	0.3116	2.84206	-0.0017	-0.0329	0.01287		-0.0428	0.04405		
5	0.3104	3.02144		-0.0367	0.01297		-0.0478	0.04465	-0.0998	
5	0.3101	2.94336		-0.0377	0.01232	-0.0018	-0.0462	0.04531		
5	0.2979	2.39684	-0.0027	-0.03	0.01198	-0.0017		0.04132		
5	0.2977	2.30092	-0.0028	-0.0305	0.01166			0.04161	0.04632	
5	0.2929	2.46796		-0.0378	0.01103	-0.0022		0.04289	-0.0299	
5	0.2695	2.02205	-0.007		0.01535			0.03088	-0.3724	1.9632
5	0.2684	2.39801	-0.0073		0.01343		-0.035	0.03449	-0.1494	
5	0.2679	2.26862	-0.0078		0.01259	-0.0029	-0.0317	0.03509		
5	0.2676	2.06702	-0.0079		0.0127		-0.0261	0.03456		0.44699
5	0.2657	1.81477	-0.0081		0.01278	-0.0043		0.03308		1.16741
5	0.2604	2.03314	-0.0079		0.01234	-0.0032		0.03323	-0.0753	
5	0.2429	2.79014		-0.0339			-0.0277	0.04509	0.49665	-0.6793
5	0.2418	2.65898		-0.0339		0.0014	-0.0185	0.04413	0.46249	
5	0.2415	2.69397	-7E-05	-0.0334			-0.018	0.04401	0.46313	
5	0.2392	2.3904	-0.0008	-0.0326		0.00134		0.04309	0.4856	
5	0.239	2.42605	-0.0008	-0.0322				0.04309	0.48991	-0.0885
5	0.2388	2.42731		-0.0347		0.00107		0.0434	0.45499	0.04486
5	0.2346	2.59574			0.0176	-0.0135		0.02563	-1.108	4.21028
5	0.2241	3.36159	0.00222	-0.0318			-0.0184	0.04091		0.36645
5	0.2237	3.42585	0.00206	-0.031		0.00042	-0.0231	0.04113		
5	0.2223	3.11866	0.002	-0.0318		-0.0005		0.03987		0.80992
5	0.2207	2.48042			0.01508		-0.0304	0.02801	-0.9455	2.73376
5	0.2206	3.35066		-0.0241		0.00071	-0.0151	0.03904		0.1313
5	0.2118	3.00065			0.01193	-0.0078	-0.0594	0.03208	-0.6515	
5	0.2028	2.32812	-0.0068				-0.0284	0.03702	0.51472	-1.6309
5	0.1985	1.94782	-0.0071			0.00097		0.03517	0.48215	-0.9332
5	0.1959	2.16302	-0.006			-0.0002	-0.0085	0.0345	0.37691	
5	0.1847	2.93188	-0.0039			-0.0004	-0.0195	0.03323		-0.4722
5	0.1762	1.86573			0.00571	-0.0076	-0.0485	0.03385		0.23193
5	0.1643	4.74263		-0.014	0.0216	-0.0113			-1.2063	5.18094
5	0.1588	4.32599	-0.0035		0.02062	-0.0105			-1.0733	4.39353
5	0.1565	3.98845		-0.0178	0.01998		0.02931		-1.133	5.44331

5	0.1544	2.62851				-0.0042	-0.0336	0.03258	-0.0928	-0.1135
5	0.1538	4.30744	-0.0021	-0.0109	0.01964				-0.9911	4.2377
5	0.1521	3.58352	-0.0047		0.01895		0.02482		-0.9418	4.32199
5	0.1497	3.9304			0.02102	-0.015	0.02549		-1.4377	5.97053
5	0.1138	3.23504	-0.0076		0.01202	-0.0046	0.02319			2.1735
5	0.1136	3.28815	-0.0065	-0.0064	0.01189		0.02312			2.2402
5	0.1119	3.74078	-0.0063	-0.0052	0.01218	-0.0038				1.8069
5	0.1111	4.42067	-0.0058		0.01364	-0.0033	-0.0131		-0.4283	
5	0.11	4.32198	-0.0059	-0.0005	0.01344		-0.0129		-0.4119	
5	0.1098	4.21046	-0.0061	2.9E-05	0.01315	-0.0032			-0.3903	
5	0.0993	3.87182	-0.0072	-0.0006	0.01086	-0.0019	-0.0025			
5	0.0899	4.98832		-0.0136	0.01273	-0.0046	-0.026		-0.6299	
5	0.0865	3.61539		-0.0246	0.00969	-0.0061	0.02234			2.99338
5	0.0411	4.03487	-0.0031	-0.0041		-0.0015	0.02745			1.27512
5	0.041	3.9721	-0.0034	-0.0039			0.02637		0.03275	1.15345
5	0.0404	3.91412	-0.0041			-0.0014	0.02565		0.03522	1.04954
5	0.0375	4.10154	-0.0044	-0.0011		1.3E-05	0.01369		0.11527	
5	0.0369	4.38538	-0.0033	-0.0026		-0.0005			0.04799	0.51145
5	0.0354	4.2329		-0.0118		-0.0029	0.0276		-0.1371	1.88301
6	0.3267	2.75809		-0.0351	0.01777	-0.0069		0.03887	-0.5025	3.4626
6	0.3241	2.76547		-0.0364	0.0165		-0.0199	0.0409	-0.3881	2.56584
6	0.322	2.53163	2.1E-05	-0.0368	0.01667			0.0396	-0.4298	3.1355
6	0.3182	2.58692		-0.0396	0.01334	-0.0036	-0.0248	0.04412		1.69378
6	0.318	2.50486	-0.0013	-0.036	0.01356		-0.0251	0.04336		1.47785
6	0.3161	2.25938	-0.0014	-0.036	0.01364	-0.004		0.04194		2.16726
6	0.3119	2.88199	-0.0017	-0.0327	0.01292	-0.0016	-0.0427	0.04404		
6	0.3118	2.91826	-0.0015	-0.0326	0.01323		-0.0439	0.04377	-0.0577	
6	0.3109	3.08389		-0.0362	0.01312	-0.0021	-0.0477	0.04454	-0.1087	
6	0.298	2.35239	-0.0028	-0.0303	0.01176	-0.0016		0.04155	0.03799	
6	0.2744	2.28888	-0.0063		0.01657	-0.0072		0.03031	-0.4832	2.4453
6	0.272	2.28576	-0.0068		0.01518		-0.0217	0.03237	-0.3335	1.37081
6	0.2696	2.51569	-0.0071		0.01364	-0.0034	-0.0353	0.0345	-0.1661	
6	0.2689	2.12713	-0.0078		0.01288	-0.0036	-0.0242	0.03448		0.59536
6	0.2434	2.73894		-0.0345		0.00217	-0.0293	0.04534	0.50397	-0.762
6	0.2431	2.75621	-0.0007	-0.0321			-0.0273	0.04486	0.52678	-0.7956
6	0.2418	2.64851	-0.0001	-0.0336		0.00143	-0.0181	0.04406	0.46716	
6	0.2393	2.37236	-0.001	-0.0323		0.00149		0.04315	0.49894	-0.1396
6	0.2365	2.79713			0.01729	-0.0126	-0.0194	0.02706	-1.056	3.61363
6	0.2241	3.36066	0.00221	-0.0318		4.7E-05	-0.0184	0.04091		0.36472
6	0.2033	2.27028	-0.007			0.00205	-0.0298	0.03718	0.52899	-1.7397
6	0.1723	4.22485		-0.0158	0.02193	-0.0127	0.03717		-1.253	6.20309
6	0.1648	4.66742	-0.0011	-0.0115	0.02139	-0.0108			-1.1442	4.93368
6	0.1647	3.84322	-0.0038		0.0208	-0.0116	0.03148		-1.1069	5.19815
6	0.159	3.86285	-0.0022	-0.0124	0.01974		0.02959		-1.0164	4.99533
6	0.1157	3.36143	-0.0064	-0.0064	0.01213	-0.0046	0.02548			2.42456
6	0.1111	4.42469	-0.0057	-0.0001	0.01364	-0.0032	-0.0131		-0.4282	
6	0.0412	4.00786	-0.0033	-0.0039		-0.0014	0.02719		0.02426	1.22166
7	0.3279	2.91139		-0.0349	0.01754	-0.0063	-0.0148	0.03991	-0.4651	3.00944
7	0.327	2.80074	0.00071	-0.0369	0.0179	-0.0073		0.03903	-0.5415	3.62189
7	0.3241	2.77138	0.00012	-0.0367	0.01651		-0.0199	0.04093	-0.3939	2.58823
7	0.3191	2.5597	-0.0012	-0.036	0.01373	-0.0033	-0.0233	0.04327		1.6133
7	0.3122	2.97593	-0.0015	-0.0324	0.01334	-0.0018	-0.044	0.04371	-0.0671	

7	0.2759	2.4652	-0.0063		0.01631	-0.0065	-0.0168	0.03151	-0.4418	1.93836
7	0.2438	2.68562	-0.0009	-0.0322		0.00255	-0.0291	0.04509	0.54457	-0.9283
7	0.1727	4.15871	-0.001	-0.0134	0.02174	-0.0122	0.03696		-1.1957	5.97066
8	0.3281	2.95537	0.00072	-0.0367	0.01766	-0.0066	-0.0149	0.04007	-0.5046	3.16969



## LAG 1

Number In Model	RSquare	Intercept	ALK_1	CA_1	CL_1	DOC_1	SIO2_1	SO4_1	TKN_1	TPO4_1
1	0.2693	3.70663								-16.183
1	0.0989	4.54726		-0.0174						
1	0.0426	4.09925	-0.0035							
1	0.0288	3.91439							-0.2967	
1	0.0265	4.16317				-0.0246				
1	0.0206	3.51508						-0.007		
1	0.0184	3.844			-0.0046					
1	0.0073	3.45702					-0.0151			
2	0.2907	4.32796		-0.0086						-14.527
2	0.2824	3.20125							0.23391	-18.337
2	0.2753	3.87596						-0.0038		-15.87
2	0.2706	3.86478	-0.0007							-15.784
2	0.2697	3.64205					0.00384			-16.323
2	0.2693	3.73474				-0.0007				-16.137
2	0.2693	3.70936			-2E-05					-16.179
2	0.1502	4.29793	0.01015	-0.0482						
2	0.1414	3.63107		-0.0362		0.06027				
2	0.1363	4.95593		-0.0323				0.01629		
2	0.1184	4.46082		-0.0235			0.03133			
2	0.1155	4.22514		-0.0247	0.0063					
2	0.1104	4.38191		-0.0243					0.28789	
2	0.0455	3.98315	-0.0047		0.00314					
2	0.0436	3.96598	-0.0044			0.00923				
2	0.0429	4.08088	-0.0036				0.0031			
2	0.0428	4.08952	-0.0033					-0.0008		
2	0.0427	4.10815	-0.0033						-0.0208	
2	0.0315	3.89534						-0.0032	-0.2282	
2	0.03	4.07167				-0.0101			-0.1973	
2	0.0294	3.89833					0.00552		-0.3306	
2	0.0292	3.96426			-0.001				-0.261	
2	0.0279	4.05194				-0.0187		-0.0026		
2	0.0265	4.16363				-0.025	0.00078			
2	0.0265	4.16372			9.9E-05	-0.025				
2	0.0246	3.78872			-0.0027			-0.0048		
2	0.0217	3.44412					0.00858	-0.0088		
2	0.0202	3.91244			-0.0041		-0.0079			
3	0.3939	3.70597		-0.0285					0.95301	-19.471
3	0.3514	4.05094	0.01105	-0.042						-14.894
3	0.3383	3.35412		-0.0285		0.06386				-14.728
3	0.3228	3.48992	-0.0057						0.74507	-19.523
3	0.3198	4.02156				-0.0582			0.86976	-20.527
3	0.3197	3.05223						-0.0123	0.55446	-20.281
3	0.3102	3.97645		-0.0165	0.00684					-14.643
3	0.3092	4.24426		-0.0146			0.03054			-14.491
3	0.2967	4.50819		-0.0152				0.00675		-13.805
3	0.2958	3.46811			-0.0058				0.47025	-19.136
3	0.2891	3.62895					0.03157	-0.0103		-16.49
3	0.2862	3.22708					-0.014		0.33124	-18.723

3	0.281	3.39227				0.01748		-0.0078		-16.645
3	0.2783	3.64189			0.00238			-0.0058		-16.277
3	0.2756	3.80672	0.00042					-0.0046		-16.067
3	0.2731	3.64878	-0.0021			0.0149				-15.849
3	0.2728	3.76418	-0.0018		0.00273					-15.761
3	0.2724	3.81351	-0.001				0.00846			-15.861
3	0.2702	4.92397	0.01876	-0.1051				0.03338		
3	0.2701	3.73702				-0.0034	0.00585			-16.181
3	0.2698	3.67166			-0.0003		0.00426			-16.273
3	0.2693	3.73675			0.00037	-0.0021				-16.138
3	0.2001	4.06882	0.01353	-0.0688			0.05299			
3	0.1715	4.0774		-0.0481		0.05517		0.0147		
3	0.1679	3.72015	0.00783	-0.0543		0.04175				
3	0.1588	3.57027		-0.0416		0.05887	0.0297			
3	0.152	4.63734		-0.0393	0.00614			0.01612		
3	0.1506	4.27522	0.00979	-0.0485					0.05509	
3	0.1502	4.29183	0.01007	-0.0482	0.00016					
3	0.1496	4.78786		-0.0402				0.01672	0.31121	
3	0.1435	4.03693		-0.034	0.00791		0.03834			
3	0.1417	3.60481		-0.036		0.06443				-0.0644
3	0.1414	3.63087		-0.0362	-3E-05	0.06039				
3	0.1382	4.86647		-0.0325			0.01155	0.01399		
3	0.1232	4.36141		-0.0273			0.02661			0.19578
3	0.1193	4.18608		-0.0276	0.00503					0.18134
3	0.046	3.96061	-0.0045		0.00332			-0.0014		
3	0.046	3.95378	-0.005		0.00326		0.00421			
3	0.0459	3.99845	-0.0044		0.00336					-0.0545
3	0.0456	3.96029	-0.0049		0.00295	0.00207				
3	0.0444	3.88066	-0.0043			0.01345		-0.0021		
3	0.0443	3.93319	-0.0041			0.01429				-0.0939
3	0.0438	4.01993	-0.0033				0.00832	-0.0026		
3	0.0436	3.96659	-0.0044			0.00862	0.0014			
3	0.0431	4.09347	-0.0033				0.00466			-0.051
3	0.0428	4.09636	-0.0032					-0.0008	-0.0144	
3	0.0363	3.8203					0.01933	-0.0063	-0.2791	
3	0.0316	3.94979				-0.0034		-0.0028	-0.203	
3	0.0315	3.90969			-0.0003			-0.0031	-0.2203	
3	0.0307	4.05997				-0.0105	0.0059			-0.23
3	0.03	4.07257			0.00018	-0.0108				-0.1975
3	0.0296	3.93951			-0.0008		0.00484			-0.2984
3	0.029	3.98112				-0.0188	0.00873	-0.0044		
3	0.0279	4.05174			-2E-05	-0.0186		-0.0026		
3	0.0265	4.16468			0.00017	-0.0257	0.00094			
3	0.0251	3.7249			-0.0025		0.00562	-0.0061		
4	0.4092	3.66262	0.00611	-0.0435					0.78478	-18.801
4	0.4031	4.51747	0.01681	-0.0819				0.02288		-12.635
4	0.4026	3.81798	0.01447	-0.0628			0.05369			-14.943
4	0.3965	3.83411		-0.0327				0.0045	0.94064	-18.926
4	0.395	3.70627		-0.0294			0.0081		0.91851	-19.283
4	0.3941	3.64118		-0.0296		0.00589			0.91462	-19.291
4	0.3939	3.69209		-0.0288	0.0004				0.94308	-19.426
4	0.3706	3.44822	0.00864	-0.0482		0.04349				-14.95

4	0.3547	3.29591		-0.0337		0.0625	0.0288			-14.689
4	0.3514	4.04487	0.01097	-0.0419	0.00016					-14.894
4	0.3413	3.31323	-0.0044					-0.0091	0.86643	-20.696
4	0.3411	3.50551		-0.0325		0.06212		0.00467		-14.222
4	0.3383	3.35548		-0.0285	0.00024	0.06296				-14.729
4	0.3377	3.79021		-0.0257	0.00844		0.038			-14.625
4	0.3332	3.65916				-0.0397		-0.0084	0.88527	-21.151
4	0.3322	3.89278	-0.0038			-0.0353			0.96265	-20.462
4	0.3283	3.52757	-0.0059				-0.0169		0.87389	-20.015
4	0.3246	3.23333			-0.0036			-0.0112	0.67308	-20.602
4	0.3237	4.04879				-0.0583	-0.0142		0.96918	-20.921
4	0.3235	2.98664					0.01725	-0.0151	0.50778	-20.248
4	0.3228	3.50103	-0.0056		-0.0004				0.7498	-19.55
4	0.3198	4.02207			0.0001	-0.0586			0.86964	-20.527
4	0.3156	4.15336		-0.0227	0.00675			0.00646		-13.95
4	0.3092	4.25395		-0.0148			0.03009	0.00032		-14.457
4	0.3041	3.55819			-0.0069		-0.0214		0.66338	-19.875
4	0.2963	3.21153			0.0038		0.03712	-0.0145		-17.25
4	0.2957	3.10003				0.01882	0.03261	-0.0147		-17.345
4	0.2916	5.40089	0.02513	-0.1191	-0.0094			0.03946		
4	0.2898	3.52612	0.00061				0.03203	-0.0114		-16.782
4	0.2838	3.33189	-0.0018			0.03023		-0.0075		-16.377
4	0.281	3.39237				1.2E-05	0.01743		-0.0078	-16.645
4	0.2789	3.67476	-0.0008		0.0034				-0.0051	-16.072
4	0.2758	4.76964	0.01908	-0.1066			0.01985	0.02973		
4	0.275	3.69689	-0.0023		0.003		0.00948			-15.845
4	0.2739	3.65051	-0.0021			0.01225	0.00605			-15.892
4	0.2738	3.64606	-0.0024		0.00175	0.01063				-15.815
4	0.2723	4.99617	0.01988	-0.1059				0.03422	-0.1372	
4	0.2705	4.83478	0.01829	-0.1049		0.00565		0.0328		
4	0.2702	3.74216			0.00089	-0.0071	0.00663			-16.191
4	0.2101	4.15068	0.01655	-0.0725			0.06589		-0.3339	
4	0.2093	3.66238	0.01157	-0.0717		0.03061	0.04901			
4	0.2001	4.05309	0.01332	-0.0687	0.0004		0.05302			
4	0.1749	3.7097	0.0099	-0.0591	-0.0059	0.05905				
4	0.1737	3.97572		-0.0484		0.05545	0.01255	0.0122		
4	0.1716	4.08243		-0.0482	0.00062	0.05285		0.01475		
4	0.1715	3.64354	0.00855	-0.0551		0.05348			-0.208	
4	0.1715	4.08276		-0.0482		0.05447		0.01474	0.01058	
4	0.1633	3.46233		-0.0416		0.074	0.03503		-0.238	
4	0.1602	3.57935		-0.042	0.00245	0.0496	0.03213			
4	0.1577	4.43054		-0.0406	0.00705		0.02063	0.01199		
4	0.1573	4.60014		-0.043	0.00465			0.01645	0.21223	
4	0.1506	4.27814	0.00982	-0.0485	-9E-05				0.05601	
4	0.1496	4.78611		-0.0402			0.00031	0.01665	0.31006	
4	0.1435	4.03799		-0.0339	0.00806		0.03889		-0.0176	
4	0.1417	3.60477		-0.036	-7E-06	0.06445			-0.0644	
4	0.0482	3.82302	-0.0048		0.00406		0.013	-0.0042		
4	0.047	3.9598	-0.0045		0.0038		0.00773		-0.109	
4	0.0462	3.8847	-0.0048		0.00282	0.00614		-0.0019		
4	0.0462	3.97608	-0.0043		0.00348			-0.0012	-0.0458	
4	0.0462	3.93096	-0.0046		0.00285	0.00688			-0.0845	

4	0.046	3.96144	-0.0049		0.00334	-0.0008	0.0044					
4	0.0454	3.81546	-0.0043			0.01327	0.00813	-0.0038				
4	0.0453	3.84043	-0.0041			0.01912		-0.0022	-0.1003			
4	0.0446	3.92683	-0.0041			0.0138	0.00396		-0.117			
4	0.0442	4.03009	-0.0028				0.01099	-0.0029	-0.0685			
4	0.0373	3.70538			0.00181		0.02398	-0.0077	-0.3443			
4	0.0366	3.71355				0.00613	0.02125	-0.0073	-0.33			
4	0.0316	3.95014			4.6E-05	-0.0035		-0.0028	-0.2031			
4	0.0308	4.06212			0.00071	-0.0131	0.00663		-0.2348			
4	0.0291	3.98005			0.00063	-0.0212	0.00949	-0.0046				
5	0.4319	4.08871	0.01141	-0.0715				0.01627	0.59415	-16.246		
5	0.4228	3.63845	0.00969	-0.0557			0.03267		0.54713	-17.648		
5	0.4212	4.2115	0.01729	-0.0832			0.03624	0.01559		-13.389		
5	0.4132	4.86135	0.02129	-0.0924	-0.0065			0.02745		-12.184		
5	0.4128	3.38931	0.01242	-0.0658		0.03224	0.0495			-14.981		
5	0.4124	3.77327	0.00759	-0.0449	-0.0035				0.83075	-19.03		
5	0.4092	3.66799	0.00612	-0.0434		-0.0005			0.78776	-18.815		
5	0.4069	4.18303	0.01508	-0.0807		0.02066		0.02052		-12.895		
5	0.4026	3.80215	0.01427	-0.0627	0.00041		0.05372			-14.943		
5	0.3966	3.78353		-0.0334		0.00439		0.00442	0.91223	-18.801		
5	0.3965	3.81945		-0.033	0.00042			0.0045	0.92999	-18.877		
5	0.3965	3.8226		-0.0325			0.00198	0.00409	0.93332	-18.929		
5	0.3956	3.60194		-0.0312		0.00949	0.00949		0.85074	-18.959		
5	0.3955	3.66171		-0.0304	0.00127		0.01023		0.87752	-19.089		
5	0.3941	3.64094		-0.0296	-4E-05	0.00605			0.91467	-19.291		
5	0.3782	3.43689	0.0108	-0.0533	-0.0062	0.06153				-14.974		
5	0.3564	3.30561		-0.0341	0.00267	0.05239	0.03144			-14.699		
5	0.3551	3.21966		-0.0323		0.06317	0.03183	-0.0022		-14.919		
5	0.3438	3.56447	-0.0036			-0.0198		-0.0078	0.97024	-21.048		
5	0.3415	3.28648	-0.0043				0.00458	-0.01	0.84289	-20.673		
5	0.3413	3.30173	-0.0045		0.00036			-0.0092	0.8623	-20.675		
5	0.3412	3.50916		-0.0325	0.00044	0.06046		0.00471		-14.22		
5	0.3383	3.70183		-0.0242	0.00863		0.04176	-0.0026		-14.897		
5	0.3372	3.9178	-0.004			-0.0344	-0.0161		1.07954	-20.905		
5	0.3337	3.89078	-0.0043		0.00258	-0.042			0.97054	-20.451		
5	0.3336	3.59797				-0.0371	0.00559	-0.0095	0.84838	-21.083		
5	0.3333	3.65694			-0.0003	-0.0386		-0.0084	0.88564	-21.153		
5	0.3289	3.57686	-0.0054		-0.0015		-0.0183		0.90417	-20.167		
5	0.3256	3.14967			-0.0027		0.0102	-0.0131	0.61609	-20.503		
5	0.324	4.04533			-0.0011	-0.0542	-0.0154		0.97886	-20.956		
5	0.3015	4.98199	0.02439	-0.1231	-0.0129	0.03775		0.0378				
5	0.2982	3.24952	-0.0014		0.00561		0.03872	-0.0138		-16.94		
5	0.2979	3.05096	-0.0016			0.03025	0.03204	-0.0143		-17.092		
5	0.2971	3.0924			0.00246	0.00949	0.03569	-0.0152		-17.413		
5	0.2933	5.28179	0.02487	-0.119	-0.0088		0.0111	0.037				
5	0.2922	5.42555	0.02554	-0.1192	-0.0092			0.03973	-0.0699			
5	0.2841	3.33462	-0.002		0.0012	0.0271		-0.0074		-16.346		
5	0.2837	4.83344	0.0217	-0.1093			0.03178	0.02934	-0.2975			
5	0.276	4.6899	0.01866	-0.1064		0.0051	0.01976	0.02922				
5	0.2752	3.6473	-0.0025		0.00248	0.00523	0.00827			-15.861		
5	0.2745	4.75659	0.01906	-0.1059		0.01785		0.03285	-0.2174			
5	0.2397	3.38711	0.01559	-0.0823		0.06385	0.07088		-0.6776			

5	0.2125	3.65749	0.01284	-0.0743	-0.004	0.04282	0.04713			
5	0.2112	4.07811	0.01578	-0.0721	0.00205		0.06719		-0.3636	
5	0.1797	3.62036	0.01091	-0.0605	-0.0064	0.07406				-0.2402
5	0.1743	3.97294		-0.0485	0.00161	0.04941	0.01452	0.01194		
5	0.1742	3.90689		-0.0479		0.0611	0.01574	0.01129	-0.085	
5	0.1716	4.08753		-0.0482	0.00061	0.05219		0.01479	0.01012	
5	0.1655	3.46421		-0.0421	0.00305	0.06378	0.03851		-0.2588	
5	0.1593	4.47163		-0.0425	0.00582		0.01418	0.01349	0.13413	
5	0.0503	3.79873	-0.004		0.00505		0.02041	-0.0053	-0.1604	
5	0.0483	3.78495	-0.0049		0.00376	0.00341	0.0126	-0.0044		
5	0.048	3.67173	-0.0038			0.02456	0.0159	-0.0056	-0.203	
5	0.0471	3.9189	-0.0047		0.00344	0.00443	0.00722		-0.1247	
5	0.0469	3.84813	-0.0045		0.0027	0.01157		-0.002	-0.0908	
5	0.0373	3.69552			0.00174	0.0008	0.02407	-0.0078	-0.3486	
6	0.4461	4.46748	0.01635	-0.0833	-0.0078			0.02124	0.63934	-15.981
6	0.4365	4.0008	0.01271	-0.0742			0.02015	0.01348	0.48023	-15.972
6	0.4329	4.2386	0.01184	-0.071		-0.0122		0.01693	0.66003	-16.493
6	0.4284	4.32704	0.02027	-0.0967	-0.0108	0.04698		0.02509		-12.478
6	0.4256	4.49098	0.02031	-0.0903	-0.0045		0.03125	0.01975		-12.974
6	0.4249	3.87977	0.01556	-0.0821		0.02052	0.03619	0.01326		-13.645
6	0.4242	3.71246	0.01046	-0.0559	-0.0023		0.03083		0.59074	-17.863
6	0.4233	3.54347	0.00967	-0.0573		0.00865	0.0339		0.48599	-17.356
6	0.4164	3.38385	0.01376	-0.0686	-0.0043	0.04518	0.04751			-14.996
6	0.4135	3.65101	0.00784	-0.0474	-0.0047	0.0148			0.7575	-18.685
6	0.3967	3.74533		-0.0333		0.00596	0.00347	0.00368	0.88925	-18.761
6	0.3967	3.78681		-0.0329	0.00074		0.00374	0.00374	0.90823	-18.846
6	0.3966	3.78466		-0.0334	0.00014	0.00387		0.00443	0.91205	-18.799
6	0.3957	3.60217		-0.0313	0.00078	0.00698	0.01044		0.84348	-18.926
6	0.357	3.21131		-0.0325	0.00286	0.05249	0.0354	-0.0027		-14.987
6	0.3447	3.57049	-0.0039		0.00201	-0.0253		-0.0076	0.9762	-21.026
6	0.3438	3.55862	-0.0036			-0.0196	0.00056	-0.0079	0.9663	-21.042
6	0.3417	3.25011	-0.0045		0.00084		0.00617	-0.0104	0.82499	-20.614
6	0.3376	3.91466	-0.0042		0.00137	-0.038	-0.0148		1.07403	-20.863
6	0.3336	3.59672			0.00012	-0.0374	0.00579	-0.0096	0.8469	-21.08
6	0.3083	4.8864	0.02572	-0.1253	-0.0136	0.05549		0.03813	-0.2867	
6	0.3021	4.92551	0.02426	-0.1228	-0.0124	0.03621	0.00686	0.03635		
6	0.301	3.01947	-0.0022		0.00385	0.02015	0.03663	-0.015		-17.097
6	0.2958	5.25631	0.02572	-0.1191	-0.0077		0.01934	0.03586	-0.1784	
6	0.2897	4.38771	0.02066	-0.1099		0.03082	0.03805	0.02603	-0.4675	
6	0.2438	3.37701	0.0171	-0.0854	-0.0046	0.0783	0.06909		-0.6887	
6	0.1751	3.88694		-0.0479	0.00194	0.05521	0.01887	0.01075	-0.1055	
6	0.0515	3.6219	-0.0044		0.00414	0.01497	0.02171	-0.0065	-0.2258	
7	0.4471	4.35019	0.01658	-0.0856	-0.0089	0.01407		0.0212	0.56997	-15.657
7	0.4469	4.39719	0.01648	-0.0834	-0.0071		0.00868	0.01961	0.58638	-15.886
7	0.4372	4.07435	0.01956	-0.0944	-0.0086	0.04146	0.02662	0.01881		-13.116
7	0.4366	4.06654	0.01281	-0.0739		-0.005	0.01906	0.0139	0.51321	-16.088
7	0.4264	3.53439	0.01098	-0.0601	-0.0039	0.02116	0.03247		0.47316	-17.307
7	0.3968	3.74093		-0.0334	0.00044	0.00467	0.00419	0.00356	0.88397	-18.749
7	0.3449	3.53174	-0.0039		0.00226	-0.0247	0.00378	-0.0084	0.95034	-20.98
7	0.3141	4.63435	0.02597	-0.1256	-0.012	0.05942	0.02443	0.03313	-0.4392	
8	0.4481	4.24914	0.01678	-0.0861	-0.0083	0.01616	0.01033	0.01927	0.49665	-15.496



LAG 2

Number In Model	RSquare	Intercept	ALK_2	CA_2	CL_2	DOC_2	SIO2_2	SO4_2	TKN_2	TPO4_2
1	0.4414	7.65352							-1.8691	
1	0.3557	6.87061				-0.0958				
1	0.2894	3.48196								-7.8256
1	0.2689	6.07012		-0.038						
1	0.1837	5.96815			-0.0198					
1	0.1326	5.18988	-0.0081							
1	0.1164	4.27818					-0.0705			
1	0.0528	3.864						-0.0156		
2	0.6352	7.6895			-0.0281					-10.12
2	0.5579	7.11566							-1.5407	-5.2473
2	0.5238	6.24913		-0.0356						-7.3604
2	0.5133	6.32886	-0.0107							-9.1368
2	0.4792	8.13316		-0.0168					-1.5248	
2	0.4766	5.06311					-0.0907			-8.8452
2	0.4721	8.01405				-0.0401			-1.3686	
2	0.4653	6.24212				-0.0732				-5.2341
2	0.4444	7.68627					0.01371		-1.9772	
2	0.4437	7.78473	-0.0012						-1.7953	
2	0.4417	7.60982			0.00093				-1.9066	
2	0.4417	7.6713						-0.0011	-1.8548	
2	0.4266	7.6973		-0.0222		-0.0726				
2	0.3816	7.54335			-0.0085	-0.0816				
2	0.3748	7.35983	-0.0033			-0.0862				
2	0.3707	7.01235				-0.0877	-0.0275			
2	0.3576	6.93454				-0.0935		-0.0032		
2	0.3419	5.72599	0.01477	-0.0826						
2	0.3045	6.89785		-0.0297	-0.0102					
2	0.3028	3.86387						-0.0081		-7.4508
2	0.2838	6.10635		-0.0453				0.01067		
2	0.269	6.07687		-0.0389			0.00352			
2	0.2428	6.8391			-0.0201			-0.0165		
2	0.1979	5.92163			-0.016		-0.0299			
2	0.1923	6.11056	-0.0029		-0.0157					
2	0.1519	5.14679	-0.0055				-0.0376			
2	0.1401	5.2834	-0.0072					-0.0065		
2	0.1208	4.40198					-0.0625	-0.0052		
3	0.6719	8.09574		-0.0169	-0.0221					-9.4057
3	0.6521	7.64412			-0.024		-0.0326			-10.152
3	0.6452	7.99912			-0.028			-0.0069		-9.7868
3	0.6451	7.84545	-0.0031		-0.0237					-10.136
3	0.6396	7.8236			-0.0237				-0.3402	-9.1867
3	0.6372	7.80023			-0.0263	-0.0103				-9.6068
3	0.6164	7.66699		-0.0212					-1.0769	-5.7468
3	0.6013	7.60304	-0.0058						-1.0905	-6.714
3	0.5828	6.34293		-0.05				0.02174		-8.1825
3	0.5704	6.95079					-0.0318		-1.2357	-6.1152
3	0.5673	7.1528		-0.0269		-0.0418				-5.9939
3	0.567	7.3557				-0.0225			-1.2823	-4.8822

3	0.5662	7.9326	0.03652	-0.1211	-0.0333				
3	0.5587	7.0757					0.00204	-1.5647	-5.3019
3	0.5543	7.14642	-0.0079			-0.0414			-7.3278
3	0.5515	7.7871	0.01469	-0.0613				-1.522	
3	0.5426	6.29216	-0.0075				-0.0464		-9.2692
3	0.5415	6.18821		-0.0261			-0.0389		-7.9215
3	0.5334	6.37247				-0.0477	-0.0627		-6.8427
3	0.5286	6.26714	-0.0122					0.00978	-9.7768
3	0.5261	6.33943	-0.0033	-0.0254					-7.9
3	0.5137	8.55449		-0.027			0.0557		-1.7572
3	0.5003	8.37717		-0.0148		-0.0337			-1.1463
3	0.5002	4.83201					-0.1125	0.01291	-9.6909
3	0.4926	8.16015		-0.0238				0.01011	-1.5194
3	0.4836	7.97652		-0.0184	0.00426				-1.6653
3	0.4794	7.30345	0.01262	-0.0613		-0.0682			
3	0.4741	8.03602				-0.0395	0.01131		-1.4648
3	0.4731	8.09924	-0.0008			-0.0395			-1.3254
3	0.4724	7.96116			0.00114	-0.0402			-1.4136
3	0.4721	8.00694				-0.0403		0.00054	-1.3731
3	0.4654	6.25632				-0.0728		-0.0006	-5.2196
3	0.4519	7.99908	-0.0026				0.02682		-1.9224
3	0.4463	7.70345	-0.0021		0.00381				-1.8941
3	0.446	7.75132					0.01838	-0.0032	-1.9709
3	0.4444	7.69012				-8E-05	0.01381		-1.9749
3	0.444	7.74923		-0.0299		-0.0732		0.01151	
3	0.4437	7.78475	-0.0012					-5E-06	-1.7953
3	0.4418	7.63364			0.0007			-0.0008	-1.8869
3	0.4312	7.91681		-0.02	-0.0038	-0.0685			
3	0.4306	5.60839	0.02419	-0.1314				0.03	
3	0.4291	7.74269		-0.0254		-0.0734	0.0139		
3	0.3882	7.74094			-0.0095	-0.0755		-0.006	
3	0.3844	7.49404			-0.007	-0.0801	-0.0134		
3	0.3839	7.60062	-0.0015		-0.0065	-0.0807			
3	0.3775	7.30189	-0.0024			-0.0846	-0.0143		
3	0.3748	7.35926	-0.0034			-0.0863		0.00015	
3	0.3708	7.00075				-0.088	-0.0287	0.00088	
3	0.3421	5.71756	0.01484	-0.082			-0.0036		
3	0.3114	7.08086		-0.0343	-0.0118		0.0249		
3	0.3052	6.83425		-0.0323	-0.0093			0.00274	
3	0.2839	6.1038		-0.045			-0.0014	0.01074	
3	0.2475	6.89379	0.00267		-0.0241			-0.0201	
3	0.2449	6.99831			-0.0221		0.01497	-0.0191	
3	0.2	6.00892	-0.0016		-0.0144		-0.0244		
3	0.1536	5.19916	-0.0053				-0.0335	-0.0033	
4	0.7192	8.3418	0.01848	-0.0661	-0.031				-7.2258
4	0.6756	7.95688		-0.0227	-0.0201			0.00628	-9.4592
4	0.6728	8.14573		-0.0164	-0.0202				-0.1583
4	0.6726	8.04596		-0.0153	-0.0216		-0.0081		-9.4814
4	0.6719	8.10669		-0.0168	-0.0219	-0.0012			-9.3482
4	0.6621	7.6501		-0.0349				0.01921	-1.0012
4	0.6545	7.73691	-0.0017		-0.0223		-0.0269		-10.155
4	0.6525	7.72956			-0.0245		-0.0284	-0.0018	-10.062



4	0.6525	7.69252			-0.0234	-0.0044	-0.0317		-9.933
4	0.6522	7.65859			-0.0237		-0.0319	-0.034	-10.058
4	0.6486	7.95762	-0.0029		-0.0199			-0.3025	-9.305
4	0.6475	7.97673	-0.0019		-0.0253		-0.0043		-9.9237
4	0.6461	7.91748	-0.0029		-0.0226	-0.0073			-9.7705
4	0.6458	8.01752			-0.0262		-0.0061	-0.1421	-9.4374
4	0.6454	8.02062			-0.0274	-0.0033	-0.0066		-9.6375
4	0.6402	7.87205			-0.0231	-0.006		-0.2978	-9.0007
4	0.6354	7.64917	0.02386	-0.1089			0.02918	-1.5046	
4	0.6194	6.2698		-0.0386			-0.0573	0.02561	-9.1563
4	0.619	7.16429		-0.0412		-0.0383	0.02042		-6.8817
4	0.6187	7.76617		-0.0203		-0.0114		-0.9649	-5.5417
4	0.6178	7.64376	0.0027	-0.0289				-1.1151	-5.2506
4	0.6168	7.73175		-0.0223			0.00684	-1.118	-5.5865
4	0.6162	7.53948	-0.0073				0.00967	-1.0884	-7.3513
4	0.6041	7.71285	-0.0055			-0.0128		-0.9683	-6.4265
4	0.6023	7.52034	-0.0054				-0.0098	-1.0264	-6.8844
4	0.5982	8.39885	0.03887	-0.1371	-0.0384		0.05439		
4	0.5973	8.23855	0.02852	-0.0955	-0.0211			-0.8225	
4	0.5912	7.62523	0.0394	-0.1441	-0.0297		0.01675		
4	0.5898	8.27317	0.03139	-0.1036	-0.027	-0.0327			
4	0.5884	6.19842	0.00587	-0.0705			0.02532		-7.3621
4	0.5845	6.1635	-0.0086				-0.0694	0.01751	-10.481
4	0.581	6.68397					-0.0501	0.00878	-1.164
4	0.5783	7.18235				-0.021	-0.0302		-1.0103
4	0.5769	8.17143	0.01381	-0.0673			0.04806		-1.7227
4	0.5748	7.02156		-0.0215		-0.0376	-0.026		-6.5057
4	0.5703	6.99244	-0.0059			-0.035	-0.0353		-7.7074
4	0.5702	7.08958	-0.0094			-0.0417		0.00997	-7.9668
4	0.5685	7.31126				-0.0234		0.00276	-1.3045
4	0.5673	7.15935	-0.0004	-0.0256		-0.0416			-6.075
4	0.5638	7.99388	0.01389	-0.0572		-0.026			-1.2308
4	0.5609	7.14965	0.02171	-0.1086		-0.0664		0.02877	
4	0.5552	6.12991				-0.047	-0.0841	0.01241	-7.6872
4	0.5453	6.30193	-0.0043	-0.0125			-0.0407		-8.6442
4	0.5271	8.70617		-0.0242		-0.0272	0.04975		-1.4272
4	0.5235	7.66844		-0.0371	0.01424			0.02213	-1.9827
4	0.5214	8.54321		-0.0315			0.05148	0.00774	-1.7354
4	0.5152	8.41407		-0.022		-0.0349		0.01065	-1.1274
4	0.5146	8.46858		-0.0273	0.00196		0.05385		-1.814
4	0.5043	8.22586		-0.0162	0.00405	-0.0334			-1.2836
4	0.48	7.33168	0.01247	-0.0625		-0.0686	0.00724		
4	0.4783	8.25443	-0.0019			-0.0376	0.02131		-1.4489
4	0.4752	8.02449	-0.0016		0.00338	-0.0391			-1.417
4	0.4742	8.05223				-0.0391	0.01281	-0.001	-1.469
4	0.4741	8.01921			0.00034	-0.0396	0.01088		-1.4747
4	0.4735	8.09617	-0.001			-0.0399		0.00138	-1.3293
4	0.4726	7.92992			0.00149	-0.0407		0.00115	-1.4369
4	0.4544	7.91818	-0.0034		0.00372		0.02662		-2.0177
4	0.4528	8.03333	-0.0025				0.02969	-0.0024	-1.9201
4	0.4484	7.61532	-0.0033		0.0069			0.00465	-2.0052
4	0.4468	7.88557			-0.0021		0.02304	-0.0046	-1.9034

4	0.445	7.77622		-0.0316		-0.0737	0.0088	0.01112		
4	0.4441	7.71657		-0.0306	0.00061	-0.0739		0.01203		
4	0.4371	5.54666	0.02519	-0.1301			-0.0233	0.03184		
4	0.437	8.08072		-0.0243	-0.0054	-0.0683	0.02287			
4	0.3882	7.74196	0.0001		-0.0096	-0.0754		-0.0061		
4	0.3882	7.73534			-0.0094	-0.0756	-0.0006	-0.0059		
4	0.3852	7.54392	-0.001		-0.006	-0.0799	-0.0101			
4	0.3778	7.28837	-0.0025			-0.085	-0.0162	0.00158		
4	0.3115	7.11074		-0.0337	-0.0122		0.02602	-0.0009		
4	0.2492	7.0362	0.00256		-0.0257		0.01359	-0.0223		
5	0.7339	8.09271	0.02124	-0.0855	-0.0283			0.01292		-7.0111
5	0.7217	8.46098	0.02	-0.0733	-0.0327		0.01608			-6.8964
5	0.7203	8.29664	0.01929	-0.0688	-0.0335			0.17715		-7.5921
5	0.7201	8.28381	0.01889	-0.0677	-0.0323	0.00711				-7.5105
5	0.6857	7.5363	0.01247	-0.0761				0.02644	-1.1491	-4.6081
5	0.6798	8.00247		-0.0246	-0.0145			0.00962	-0.379	-8.4997
5	0.679	7.77267		-0.0215	-0.0181		-0.0197	0.00913		-9.6676
5	0.6761	7.99041		-0.0229	-0.0191	-0.0052		0.00684		-9.2231
5	0.673	8.10297		-0.0155	-0.0204		-0.005		-0.12	-9.1394
5	0.6728	8.13953		-0.0164	-0.0202	0.0009			-0.1641	-9.0201
5	0.6726	8.05145		-0.0152	-0.0216	-0.0006	-0.008			-9.4543
5	0.6644	7.48548		-0.0331			-0.0173	0.02065	-0.8919	-7.0544
5	0.6638	7.73751		-0.0341		-0.0101		0.01911	-0.9029	-6.4019
5	0.6548	7.77671	-0.0016		-0.0218	-0.0037	-0.0262			-9.9673
5	0.6547	7.77468	-0.0017		-0.0215		-0.0248		-0.0794	-9.9356
5	0.6546	7.71225	-0.0018		-0.022		-0.028	0.00066		-10.189
5	0.6527	7.75174			-0.0239	-0.0034	-0.0285	-0.0015		-9.9064
5	0.6525	7.73291			-0.0244		-0.0282	-0.0018	-0.0121	-10.031
5	0.6525	7.6947			-0.0233	-0.0043	-0.0315		-0.007	-9.9173
5	0.6491	8.00203	-0.0023		-0.0216			-0.0023	-0.2372	-9.3735
5	0.6488	7.98252	-0.0029		-0.0197	-0.0034			-0.2794	-9.1986
5	0.6478	8.00417	-0.0019		-0.0245	-0.0043		-0.0038		-9.7326
5	0.6459	8.03008			-0.0259	-0.0021		-0.006	-0.1318	-9.3663
5	0.6459	7.84199	0.02302	-0.1047		-0.024		0.02888	-1.2353	
5	0.6458	7.90864	0.02962	-0.1191	-0.0111			0.02443	-1.1402	
5	0.6438	7.88838	0.0226	-0.1087			0.02854	0.02686	-1.6252	
5	0.6406	6.93582		-0.034		-0.0303	-0.0456	0.02377		-7.926
5	0.6392	8.82598	0.02996	-0.1098	-0.0251		0.06284		-0.9533	
5	0.6317	7.03584	0.00895	-0.0714		-0.0426		0.02573		-5.4844
5	0.6253	7.23803	-0.0066				-0.0328	0.01334	-0.8724	-8.165
5	0.6251	6.1237	0.00593	-0.0592			-0.0574	0.02923		-8.329
5	0.6234	7.97434	0.03384	-0.1275	-0.0216	-0.0386		0.01963		
5	0.6203	7.7461	0.0029	-0.0286		-0.012			-1.0004	-4.9967
5	0.6193	7.65319	-0.007			-0.0133		0.00974	-0.9612	-7.0573
5	0.619	7.82065		-0.0213		-0.0112	0.00598		-1.0031	-5.4059
5	0.6189	7.74513	0.00338	-0.0328			0.01134		-1.1928	-4.8585
5	0.6165	8.66217	0.03414	-0.1203	-0.0325	-0.0289	0.04994			
5	0.6075	8.09002	0.04025	-0.1487	-0.0349		0.04214	0.01111		
5	0.6067	6.80045	-0.0071			-0.0315	-0.0579	0.01638		-9
5	0.6052	7.62843	-0.0051			-0.013	-0.0102		-0.8997	-6.5996
5	0.6047	8.37747	0.02722	-0.0907	-0.0201	-0.0202			-0.6299	
5	0.5905	6.91842				-0.023	-0.0497	0.00944	-0.9111	-6.4835

5	0.5844	8.30164	0.01325	-0.0636		-0.0206	0.04387		-1.4746	
5	0.5751	7.03769	-0.0014	-0.0171		-0.0366	-0.0269			-6.7828
5	0.5625	7.09945	0.02224	-0.1083		-0.0656	-0.0116	0.02971		
5	0.5463	7.92199		-0.0353	0.01428	-0.035		0.0227	-1.5906	
5	0.5363	8.70266		-0.029		-0.0288	0.04477	0.00849	-1.384	
5	0.5358	8.06752		-0.0391	0.01051		0.03633	0.01731	-2.0138	
5	0.528	8.61697		-0.0246	0.00204	-0.0273	0.0478		-1.4854	
5	0.4802	8.17991	-0.0027		0.00332	-0.0372	0.02118		-1.5383	
5	0.4794	7.91219	-0.0034		0.00777	-0.0408		0.00666	-1.5556	
5	0.4783	8.25959	-0.0019			-0.0374	0.02188	-0.0004	-1.4509	
5	0.4742	8.06153			-0.0002	-0.039	0.01316	-0.0011	-1.465	
5	0.4544	7.89294	-0.0036		0.0043		0.02553	0.00087	-2.0335	
5	0.4451	7.81496		-0.0312	-0.0006	-0.0731	0.01016	0.0105		
5	0.3882	7.73601	0.00011		-0.0095	-0.0755	-0.0006	-0.006		
6	0.7343	8.10401	0.02092	-0.0851	-0.0265			0.0138	-0.1109	-6.767
6	0.7339	8.10812	0.02135	-0.0859	-0.0285		0.00157	0.01272		-6.9821
6	0.7339	8.08772	0.02127	-0.0856	-0.0285	0.00079		0.01284		-7.0442
6	0.7224	8.40468	0.02032	-0.0746	-0.0338	0.00645	0.01558			-7.1648
6	0.7219	8.42516	0.0202	-0.0738	-0.0337		0.01414		0.08425	-7.1102
6	0.7207	8.26012	0.01946	-0.0696	-0.0341	0.00548			0.14507	-7.7452
6	0.6882	7.63892	0.01268	-0.0758		-0.012		0.02644	-1.0341	-4.3534
6	0.6863	7.45829	0.01215	-0.0742			-0.0085	0.02696	-1.0916	-4.8889
6	0.6814	7.85962		-0.0233	-0.0142		-0.0143	0.011	-0.3011	-8.848
6	0.6799	8.01456		-0.0246	-0.0143	-0.002		0.00976	-0.3691	-8.4313
6	0.6795	7.80621		-0.0216	-0.0172	-0.0052	-0.0197	0.00969		-9.4313
6	0.673	8.09763		-0.0156	-0.0204	0.00081	-0.005		-0.1254	-9.163
6	0.6664	7.57078		-0.0322		-0.0107	-0.018	0.02061	-0.7828	-6.8792
6	0.6637	8.39917	0.03037	-0.1236	-0.0163		0.0441	0.01863	-1.1566	
6	0.6549	7.74006	-0.0019		-0.0212	-0.0044	-0.028	0.00117		-9.9931
6	0.6549	7.79794	-0.0017		-0.0212	-0.0031	-0.0248		-0.0587	-9.8365
6	0.6548	7.73841	-0.002		-0.0206		-0.0264	0.00125	-0.1016	-9.9374
6	0.6541	8.05301	0.02825	-0.1143	-0.0099	-0.0215		0.02467	-0.9387	
6	0.6527	7.75035			-0.024	-0.0035	-0.0286	-0.0015	0.00633	-9.9204
6	0.6518	6.82263	0.00842	-0.0626		-0.0346	-0.044	0.02865		-6.576
6	0.6518	8.02157	0.02206	-0.1051		-0.0212	0.02415	0.02695	-1.3692	
6	0.6492	8.01687	-0.0024		-0.0213	-0.0025		-0.0021	-0.2254	-9.2887
6	0.6416	8.87937	0.02915	-0.1064	-0.0243	-0.0116	0.06003		-0.837	
6	0.6328	8.29829	0.03505	-0.1327	-0.0264	-0.0347	0.03251	0.01499		
6	0.6287	7.35223	-0.0063			-0.0141	-0.0335	0.0135	-0.7328	-7.8704
6	0.6212	7.83874	0.00354	-0.0322		-0.0117	0.01065		-1.0763	-4.6348
6	0.5531	8.19896		-0.037	0.01143	-0.0312	0.02773	0.01896	-1.657	
6	0.4816	8.06787	-0.0035		0.00614	-0.0388	0.01565	0.00424	-1.5949	
7	0.7344	8.1416	0.02112	-0.086	-0.0267		0.00365	0.01348	-0.1284	-6.6614
7	0.7343	8.09408	0.02096	-0.0852	-0.0268	0.00171		0.01369	-0.1188	-6.821
7	0.7339	8.10325	0.02138	-0.086	-0.0287	0.00083	0.0016	0.01264		-7.0159
7	0.7225	8.38903	0.02041	-0.0747	-0.0342	0.00597	0.01454		0.04667	-7.2633
7	0.6889	7.55612	0.01233	-0.0737		-0.0123	-0.0093	0.02701	-0.969	-4.654
7	0.6815	7.87317		-0.0233	-0.0139	-0.0027	-0.0145	0.01121	-0.2863	-8.7626
7	0.6678	8.45293	0.0293	-0.1196	-0.0149	-0.0155	0.03955	0.01941	-1.0092	
7	0.6551	7.75714	-0.002		-0.0202	-0.0037	-0.0267	0.00157	-0.0824	-9.8185
8	0.7344	8.1328	0.02118	-0.0862	-0.027	0.00194	0.00389	0.01334	-0.1384	-6.7156

LAG 3

Number In Model	RSquare	Intercept	ALK_3	CA_3	CL_3	DOC_3	SIO2_3	SO4_3	TKN_3	TPO4_3
1	0.3218	4.00123								-22.594
1	0.2244	5.86358	-0.0094							
1	0.1948	5.94179		-0.0319						
1	0.0804	4.75584							-0.5672	
1	0.0665	4.70218			-0.009					
1	0.0376	4.56977				-0.0301				
1	0.0109	3.83802					-0.0265			
1	0.0071	3.66296						-0.0057		
2	0.3852	5.34877	-0.0055							-17.741
2	0.3814	5.43933		-0.0191						-18.6
2	0.3516	5.08824				-0.0268				-22.334
2	0.3427	4.57501						-0.0099		-23.201
2	0.3395	4.68549			-0.0048					-21.363
2	0.3342	4.5434							-0.2344	-21.131
2	0.3289	4.40129					-0.0215			-22.477
2	0.23	5.5566	-0.0103			0.0138				
2	0.2289	5.74488	-0.0107						0.18745	
2	0.2289	6.03607	-0.0071	-0.0095						
2	0.2283	5.71344	-0.0104		0.00285					
2	0.2278	5.67942	-0.0098				0.01565			
2	0.225	5.79866	-0.0095					0.00169		
2	0.2129	5.6579		-0.0375			0.03946			
2	0.2119	5.77322		-0.0367				0.01001		
2	0.1972	6.04383		-0.0296						-0.1167
2	0.1961	5.80013		-0.0335		0.00661				
2	0.1948	5.93167		-0.0321	0.0002					
2	0.0883	5.10291						-0.0061	-0.57	
2	0.0846	4.50283				0.01733				-0.7496
2	0.0834	4.87587			-0.0032					-0.4246
2	0.0811	4.84854					-0.007			-0.5519
2	0.0677	4.79735			-0.0088			-0.0023		
2	0.0672	4.78526			-0.0087		-0.0067			
2	0.0666	4.66584			-0.0095	0.00252				
2	0.0394	4.67326				-0.0286		-0.0029		
2	0.0377	4.58855				-0.0292	-0.0029			
2	0.0112	3.85174					-0.0222	-0.0017		
3	0.3904	5.21912	-0.0069						0.20275	-17.784
3	0.3902	5.52328	-0.005					-0.0051		-18.493
3	0.389	5.50938	-0.0035	-0.0088						-17.706
3	0.3862	5.47158	-0.005			-0.006				-18.119
3	0.3861	5.27786	-0.0061		0.0014					-17.633
3	0.3852	5.33211	-0.0056				0.0015			-17.708
3	0.384	5.33978		-0.0216			0.01549			-18.159
3	0.3838	5.62223		-0.0166		-0.0091				-19.025
3	0.3816	5.45432		-0.0183				-0.0013		-18.842
3	0.3814	5.41722		-0.0195					0.02352	-18.657
3	0.3814	5.42769		-0.0193	0.00023					-18.6
3	0.3632	5.3682				-0.0229		-0.0076		-22.837

3	0.356	5.14579				-0.0431		0.26148	-23.807		
3	0.3545	5.09722						-0.0098	-0.2291	-21.762	
3	0.3532	5.02086				-0.0038		-0.0082		-22.124	
3	0.3516	5.08666				0.00032	-0.0279			-22.406	
3	0.3516	5.08721					-0.0268	0.00016		-22.334	
3	0.3431	4.51606						0.00753	-0.0113	-23.328	
3	0.3415	4.83495				-0.0042		-0.0121		-21.434	
3	0.3396	4.70276				-0.0042				-0.042	-21.245
3	0.3373	4.73743						-0.0147		-0.2002	-21.265
3	0.2384	5.81484	-0.0063	-0.0162				0.02924			
3	0.2357	5.71889	-0.0079	-0.0107			0.01526				
3	0.2337	5.88603	-0.0081	-0.0104	0.00318						
3	0.2337	5.92708	-0.0061	-0.0154					0.00567		
3	0.2323	5.9108	-0.0086	-0.0083						0.16457	
3	0.2318	5.58002	-0.011					0.01453		0.17763	
3	0.231	5.50369	-0.0104				0.01134	0.00914			
3	0.2308	5.56858	-0.0107			0.00254		0.01368			
3	0.2307	5.60767	-0.0111						0.00306	0.2183	
3	0.2304	5.58901	-0.0106				0.01022			0.07477	
3	0.2303	5.56374	-0.0105			0.00102	0.01105				
3	0.2303	5.52342	-0.0104				0.01346		0.00106		
3	0.2296	5.70089	-0.0108			0.00153				0.12905	
3	0.2287	5.66337	-0.0105			0.00278			0.00139		
3	0.2282	5.69435	-0.0098					0.02019	-0.0018		
3	0.2169	5.65468		-0.0385				0.02581	0.00602		
3	0.2153	5.76072		-0.0352				0.03952		-0.1181	
3	0.2133	5.6254		-0.0384			0.00687		0.01004		
3	0.2129	5.68021		-0.0373			-0.0013	0.04011			
3	0.2129	5.65406		-0.0376	7.7E-05			0.03945			
3	0.2122	5.73193		-0.0377	0.00076				0.01014		
3	0.2119	5.77878		-0.0366					0.00995	-0.0052	
3	0.2091	5.66545		-0.0308			0.02957			-0.4093	
3	0.2	5.9876		-0.0311	0.00317					-0.2377	
3	0.1969	5.78339		-0.0325	-0.0017	0.01138					
3	0.1005	4.82206				0.03257		-0.0094		-0.9144	
3	0.0918	4.56878				-0.0053	0.02653			-0.6087	
3	0.0911	5.04745						0.02029	-0.0098	-0.6163	
3	0.0889	5.12582				-0.0016			-0.0054	-0.4979	
3	0.0888	4.62533					0.02685	-0.0196		-0.8068	
3	0.0837	4.93391				-0.003		-0.0048		-0.4213	
3	0.0679	4.75151				-0.0094	0.00349		-0.0025		
3	0.0677	4.7305				-0.0097	0.00622	-0.0096			
3	0.0677	4.80441				-0.0088		-0.0013	-0.0021		
3	0.04	4.66558					-0.0308	0.0099	-0.0045		
4	0.4079	5.73524	-0.0067				-0.0387			0.63203	-20.311
4	0.395	5.39372	-0.0054					0.02479	-0.0094		-18.591
4	0.3934	5.3829	-0.0063						-0.0041	0.16254	-18.371
4	0.3932	5.36942	-0.005	-0.0075						0.18214	-17.751
4	0.3914	5.44786	-0.0056		0.00158				-0.0053		-18.391
4	0.391	5.56569	-0.0041	-0.0047					-0.0038		-18.284
4	0.391	5.49959	-0.0057			0.0043	-0.018				-18.545
4	0.391	5.62391	-0.0046				-0.0051		-0.005		-18.797

4	0.3908	5.24799	-0.0068		-0.0011			0.24484	-17.878	
4	0.3904	5.21731	-0.0069				0.00017	0.20264	-17.781	
4	0.3904	5.43286	-0.004	-0.0093	0.00171				-17.574	
4	0.3904	5.43197	-0.0032	-0.0114			0.01122		-17.454	
4	0.3902	5.71179		-0.0172		-0.0284		0.3201	-20.71	
4	0.3896	5.59911	-0.0032	-0.0084		-0.0048			-18.006	
4	0.3886	5.56163		-0.0191		-0.013	0.02163		-18.592	
4	0.3871	5.33028		-0.0201			0.02692	-0.0055	-18.867	
4	0.3869	5.65142		-0.018	0.00337	-0.019			-19.498	
4	0.3865	5.44009	-0.0051			-0.0075	0.00546		-18.092	
4	0.3861	5.27298	-0.0061		0.00139		0.00048		-17.624	
4	0.3842	5.64752		-0.0155		-0.0094		-0.0016	-19.348	
4	0.3841	5.32186		-0.0219			0.01542	0.01959	-18.208	
4	0.3841	5.3308		-0.0218	0.00018		0.01546		-18.16	
4	0.3816	5.44132		-0.0186				-0.0011	0.01213	-18.846
4	0.3816	5.44587		-0.0185	0.00016			-0.0013		-18.837
4	0.3815	5.41911		-0.0194	-0.0001				0.02854	-18.669
4	0.3735	5.35333				-0.0316	0.04058	-0.0143		-23.383
4	0.3642	5.36774				-0.0314		-0.0068	0.13074	-23.521
4	0.3634	5.3671			0.00084	-0.0257		-0.0077		-23.032
4	0.359	5.02795					0.02533	-0.0145	-0.2858	-21.835
4	0.3564	5.11056				-0.0466	0.00632		0.28661	-23.965
4	0.3563	5.15663			-0.0011	-0.0409			0.28626	-23.701
4	0.3552	5.12033			-0.0016			-0.0091	-0.1563	-21.763
4	0.3552	4.93799			-0.0041		0.0161	-0.0111		-22.292
4	0.3516	5.08402			0.00033	-0.0281	0.0004			-22.41
4	0.3416	4.84606			-0.0038		-0.012		-0.0321	-21.343
4	0.242	5.69782	-0.0072	-0.0166	0.00277		0.02746			
4	0.2407	5.65923	-0.007	-0.0156		0.00971	0.02315			
4	0.2404	5.73196	-0.0075	-0.0149			0.02731		0.12806	
4	0.2396	5.63921	-0.0069	-0.016		0.01432		0.00516		
4	0.2393	5.73737	-0.0077	-0.0153				0.00699	0.2157	
4	0.2387	5.80877	-0.0061	-0.0172			0.02574	0.00169		
4	0.2383	5.78261	-0.0071	-0.0162	0.00311			0.00554		
4	0.2361	5.72897	-0.0081	-0.0108	0.00121	0.01204				
4	0.2357	5.71238	-0.0078	-0.011		0.01647			-0.0244	
4	0.234	5.86849	-0.0084	-0.0098	0.00249				0.06583	
4	0.2322	5.55332	-0.0111		0.00118		0.0139		0.133	
4	0.232	5.54283	-0.0109			0.00391	0.01255		0.13584	
4	0.2319	5.57024	-0.011				0.01282	0.00065	0.18534	
4	0.2315	5.50619	-0.0107		0.00144	0.00714	0.01044			
4	0.2312	5.58336	-0.0106		0.00252		0.01794	-0.0017		
4	0.2312	5.54644	-0.0109			0.0063		0.00228	0.1409	
4	0.2311	5.51511	-0.0104			0.01102	0.01127	-0.0008		
4	0.2309	5.59713	-0.0111		0.00087			0.00274	0.18183	
4	0.2306	5.53007	-0.0106		0.00104	0.01066		0.00108		
4	0.2305	5.5884	-0.0107		0.00078	0.0088			0.06086	
4	0.218	5.61584		-0.0347		0.01588	0.03138		-0.275	
4	0.2178	5.71056		-0.0365	0.00298		0.03916		-0.2315	
4	0.2175	5.70985		-0.0371			0.02836	0.00491	-0.0627	
4	0.217	5.63139		-0.0391	0.00046		0.02543	0.00616		
4	0.217	5.61851		-0.0388		0.00203	0.02416	0.00629		

4	0.2161	5.5953		-0.0357		0.01936		0.00754	-0.2237	
4	0.2135	5.62027		-0.0379	-0.0007	0.00889		0.00992		
4	0.213	5.68343		-0.0377	0.00058	-0.0031	0.04097			
4	0.2126	5.7628		-0.037	0.00165			0.00945	-0.0735	
4	0.2093	5.66802		-0.0312	0.00098	0.02802			-0.4312	
4	0.1039	4.83377			-0.0037	0.03736		-0.0084	-0.7982	
4	0.101	4.81504				0.03058	0.00886	-0.0109	-0.9136	
4	0.0964	4.69752			-0.0054	0.03663	-0.0204		-0.6648	
4	0.0915	5.06679			-0.0012		0.01927	-0.0091	-0.5618	
4	0.068	4.75637			-0.0095	0.00502	-0.0047	-0.0017		
5	0.4137	5.64934	-0.0072			-0.0515	0.02397		0.75726	-20.626
5	0.4091	5.73416	-0.0069		0.00223	-0.043			0.59463	-20.402
5	0.408	5.74915	-0.0064	-0.0013		-0.0378			0.61875	-20.247
5	0.4079	5.73526	-0.0067			-0.0387		#####	0.63201	-20.311
5	0.4009	5.65769		-0.0214		-0.0437	0.03436		0.47092	-20.816
5	0.399	5.60079	-0.0044			-0.0136	0.03599	-0.011		-19.439
5	0.3965	5.44182	-0.004	-0.0065			0.02684	-0.008		-18.31
5	0.3963	5.32186	-0.0061				0.02041	-0.0079	0.10973	-18.491
5	0.3959	5.65421	-0.0053		0.00436	-0.0173		-0.0051		-19.237
5	0.3957	5.3409	-0.0058		0.00123		0.02367	-0.0093		-18.507
5	0.3951	5.63621		-0.0158		-0.0182	0.04174	-0.0084		-19.861
5	0.3948	5.63328	-0.0038	-0.0087	0.00443	-0.0171				-18.441
5	0.3944	5.58495		-0.0219	0.00483	-0.0284	0.02825			-19.137
5	0.3942	5.42527	-0.0053	-0.0047				-0.0028	0.16237	-18.163
5	0.3939	5.31938	-0.0047	-0.0095			0.00855		0.17052	-17.556
5	0.3934	5.38547	-0.0062		-0.0002			-0.004	0.17171	-18.378
5	0.3932	5.37488	-0.005	-0.0073	-0.0004				0.19727	-17.784
5	0.3924	5.48919	-0.0046	-0.0052	0.0017			-0.0038		-18.151
5	0.3921	5.55846	-0.0026	-0.0118		-0.0085	0.0161			-17.88
5	0.3921	5.44669	-0.0058		0.00468	-0.0216	0.00961			-18.535
5	0.3916	5.65411	-0.0038	-0.0043		-0.0047		-0.0038		-18.578
5	0.3915	5.36784	-0.0037	-0.0116	0.00157		0.01032			-17.353
5	0.3912	5.71712		-0.018	0.00198	-0.0317			0.27763	-20.766
5	0.3908	5.24085	-0.0068		-0.0011		0.00071		0.24495	-17.864
5	0.3906	5.69662		-0.0183		-0.0302		0.0016	0.35466	-20.575
5	0.3874	5.37117		-0.0191			0.0288	-0.0063	-0.0462	-18.856
5	0.3871	5.67175		-0.0171	0.0033	-0.0191		-0.0013		-19.756
5	0.3871	5.33836		-0.0199	-0.0002		0.02705	-0.0055		-18.873
5	0.3841	5.32373		-0.0219	-0.0001		0.01542		0.02456	-18.22
5	0.3816	5.4411		-0.0186	2.5E-05			-0.0012	0.01109	-18.845
5	0.3755	5.348			0.00268	-0.0417	0.04561	-0.0154		-24.072
5	0.3751	5.35224				-0.043	0.04196	-0.0135	0.1689	-24.286
5	0.3642	5.36755			0.00016	-0.0317		-0.0068	0.12618	-23.535
5	0.3593	5.04555			-0.001		0.02441	-0.0139	-0.2362	-21.833
5	0.3567	5.12221			-0.001	-0.0444	0.00606		0.30892	-23.859
5	0.2424	5.6893	-0.007	-0.0178	0.0028		0.02342	0.00194		
5	0.2421	5.67139	-0.0072	-0.0164	0.00233	0.0028	0.02598			
5	0.2421	5.69125	-0.0074	-0.0163	0.00244		0.0272		0.03148	
5	0.2417	5.69333	-0.0074	-0.0166			0.01893	0.00377	0.16684	
5	0.2414	5.63394	-0.0067	-0.017		0.01069	0.01704	0.00266		
5	0.2409	5.67119	-0.0073	-0.0152		0.00675	0.02418		0.05486	
5	0.2401	5.65444	-0.0074	-0.0157		0.00892		0.006	0.10606	

5	0.2401	5.64947	-0.0071	-0.0162	0.00137	0.01065		0.00523		
5	0.2399	5.72299	-0.0077	-0.0157	0.00149			0.00655	0.15333	
5	0.2362	5.71643	-0.0078	-0.0114	0.00144	0.01411			-0.0542	
5	0.2323	5.53998	-0.011		0.00106	0.0017	0.0131		0.11957	
5	0.2322	5.55305	-0.0111		0.00118		0.01383	2.5E-05	0.13346	
5	0.232	5.53839	-0.0109			0.00367	0.01151	0.00044	0.14361	
5	0.2317	5.52326	-0.0107		0.00155	0.00633	0.01368	-0.0011		
5	0.2312	5.54784	-0.011		0.00053	0.0055		0.00219	0.12854	
5	0.2195	5.5907		-0.0363		0.01395	0.02299	0.00413	-0.2093	
5	0.219	5.61836		-0.0357	0.00208	0.01175	0.03325		-0.3137	
5	0.219	5.68095		-0.0377	0.00241		0.03064	0.00378	-0.1672	
5	0.217	5.62044		-0.039	0.00029	0.00111	0.02467	0.00625		
5	0.2162	5.59722		-0.0359	0.00051	0.01864		0.00748	-0.2366	
5	0.104	4.83052			-0.0035	0.03638	0.00355	-0.009	-0.8021	
6	0.4174	5.71498	-0.0066			-0.0494	0.03917	-0.0064	0.65973	-21.076
6	0.4156	5.64251	-0.0075		0.0028	-0.0577	0.02549		0.71825	-20.76
6	0.4152	5.70068	-0.0058	-0.0062		-0.0497	0.0286		0.71661	-20.378
6	0.4093	5.75585	-0.0064	-0.002	0.00234	-0.0418			0.57205	-20.307
6	0.4092	5.74226	-0.0068		0.00228	-0.0424		-0.0004	0.58183	-20.421
6	0.4086	5.63752	-0.0053		0.00628	-0.0337	0.04685	-0.0129	-20.267	
6	0.408	5.74535	-0.0063	-0.0016		-0.0382		0.00039	0.62618	-20.216
6	0.4034	5.6618		-0.023	0.00323	-0.0504	0.03727		0.41452	-20.915
6	0.4033	5.69112		-0.019		-0.0426	0.04527	-0.0053	0.40348	-21.3
6	0.4029	5.67455		-0.0185	0.00562	-0.037	0.05247	-0.0097	-20.686	
6	0.4004	5.6429	-0.0032	-0.0062		-0.0133	0.03774	-0.0096	-19.157	
6	0.3993	5.5839	-0.003	-0.0136	0.00539	-0.0249	0.02247		-18.358	
6	0.3976	5.37159	-0.0048	-0.0062			0.02259	-0.0066	0.10386	-18.228
6	0.3973	5.38595	-0.0045	-0.0069	0.00136		0.02571	-0.0078	-18.203	
6	0.3967	5.68753	-0.0043	-0.0047	0.00441	-0.017		-0.0038	-19.004	
6	0.3963	5.31858	-0.0062		0.00023		0.0206	-0.0081	0.0996	-18.485
6	0.3942	5.42547	-0.0053	-0.0047	-2E-05			-0.0028	0.16332	-18.164
6	0.394	5.32471	-0.0047	-0.0093	-0.0004		0.00853		0.18505	-17.588
6	0.3914	5.70414		-0.0189	0.00189	-0.0331		0.00134	0.30858	-20.65
6	0.3875	5.36269		-0.0193	0.00076		0.02952	-0.0066	-0.0793	-18.82
6	0.3761	5.3485			0.00206	-0.0471	0.04537	-0.0146	0.11471	-24.524
6	0.2427	5.66924	-0.0073	-0.0173	0.00202		0.02092	0.00283	0.07725	
6	0.2426	5.64906	-0.007	-0.0176	0.00217	0.00412	0.0206	0.00226		
6	0.2421	5.6742	-0.0073	-0.0163	0.00228	0.00219	0.02619		0.01409	
6	0.242	5.6494	-0.0072	-0.0167		0.00518	0.01712	0.0035	0.10785	
6	0.2404	5.65872	-0.0075	-0.016	0.00104	0.00738		0.00586	0.08133	
6	0.2323	5.54005	-0.011		0.00106	0.0017	0.01312	-7E-06	0.11944	
6	0.2201	5.59624		-0.0369	0.00161	0.01104	0.02563	0.00354	-0.2485	
7	0.4214	5.72438	-0.0069		0.00421	-0.058	0.04602	-0.0083	0.57194	-21.412
7	0.4179	5.70525	-0.0058	-0.0078	0.00336	-0.0567	0.03158		0.65969	-20.478
7	0.4178	5.73657	-0.0058	-0.0035		-0.0486	0.0401	-0.0057	0.64765	-20.887
7	0.4105	5.68848	-0.0039	-0.0074	0.00647	-0.034	0.04924	-0.0113	-19.958	
7	0.4093	5.7553	-0.0064	-0.002	0.00233	-0.0419		5.5E-05	0.57318	-20.303
7	0.4072	5.70696		-0.0203	0.00421	-0.051	0.05248	-0.007	0.30878	-21.581
7	0.3977	5.36537	-0.0048	-0.0065	0.00056		0.02314	-0.0069	0.0792	-18.204
7	0.2428	5.65626	-0.0073	-0.0173	0.0019	0.0017	0.02021	0.0028	0.06326	
8	0.4221	5.75368	-0.0059	-0.0047	0.0044	-0.0574	0.04756	-0.0074	0.55178	-21.175



LAG 4

Number In Model	RSquare	Intercept	ALK_4	CA_4	CL_4	DOC_4	SIO2_4	SO4_4	TKN_4	TPO4_4
1	0.1601	2.13786						0.02247		
1	0.111	3.38398								-5.4141
1	0.077	2.32552					0.04777			
1	0.0063	3.48477	-0.0013							
1	0.0037	2.8891							0.11596	
1	0.0008	3.24353				-0.0023				
1	0.0005	3.24655		-0.0013						
1	0	3.13552			0.00012					
2	0.2828	3.36053		-0.026				0.0383		
2	0.2641	2.38417						0.02199		-5.2434
2	0.2632	2.25127					0.07017			-7.3266
2	0.253	3.16822	-0.0057					0.03165		
2	0.2148	1.81565							0.76407	-9.292
2	0.1947	2.58051				-0.0157		0.02651		
2	0.185	2.58179			-0.0044			0.02608		
2	0.1816	2.65805						0.02692	-0.3175	
2	0.1754	2.38825			0.00818					-8.4855
2	0.1623	3.20523	-0.0059				0.08307			
2	0.1613	2.07634					0.00761	0.02092		
2	0.1407	3.11632		-0.0188			0.0829			
2	0.1368	2.65347		0.01065						-6.8703
2	0.1325	2.6977	0.00299							-7.1726
2	0.1163	3.16059				0.006				-5.7812
2	0.1051	2.667				-0.0147	0.06187			
2	0.102	2.82213					0.07113		-0.397	
2	0.0938	2.65131			-0.0037		0.05863			
2	0.0667	3.12536	-0.0079						0.89361	
2	0.0349	3.54921	-0.0068		0.00973					
2	0.0342	3.30116	-0.0094	0.03013						
2	0.016	3.05486		-0.0103					0.37973	
2	0.0151	2.8257			-0.006				0.50649	
2	0.0101	2.94779				-0.0078			0.2272	
2	0.0072	3.46839	-0.0017			0.00311				
2	0.0018	3.18052			0.00109	-0.0045				
2	0.0016	3.23435		-0.0037	0.0014					
2	0.0009	3.26277		-0.0004		-0.0019				
3	0.317	3.27438		-0.0318			0.04436	0.03277		
3	0.3067	3.31138		-0.0389	0.00647			0.04082		
3	0.3046	3.23879	-0.0134		0.01317			0.03331		
3	0.3025	3.14501		-0.0364				0.03861	0.42873	
3	0.2986	3.11387		-0.0181				0.03323		-2.6824
3	0.2947	2.10167					0.04197	0.0133		-6.4547
3	0.2901	3.34158	0.00503	-0.045				0.04175		
3	0.2832	3.37668		-0.0252		-0.0019		0.0383		
3	0.2829	3.08987	-0.0071				0.04179	0.02542		
3	0.2819	2.9336	-0.01					0.02993	0.62605	
3	0.2794	1.85611			0.00436		0.06177			-8.7347
3	0.2772	2.83368	-0.0029					0.02689		-3.4823

3	0.2752	1.94502					0.01743	0.31491	-6.877
3	0.2734	1.85626				0.05568		0.30638	-8.4867
3	0.2713	2.57538			-0.0076		0.02398		-4.7649
3	0.2704	2.42945			-0.0075	0.07653			-7.0385
3	0.2701	2.54155		-0.0067		0.08085			-6.6954
3	0.2692	2.16613			0.00263		0.01974		-6.2487
3	0.2678	2.50147	-0.0016			0.07762			-6.5804
3	0.2531	3.17279	-0.0056			-0.001	0.03169		
3	0.2404	2.0479	-0.0051					1.22274	-8.6125
3	0.2289	1.87973				-0.0116		0.9431	-9.4915
3	0.228	3.26673	-0.0151		0.01509		0.09449		
3	0.223	1.96023		-0.0084				0.97323	-9.2095
3	0.2153	1.81226			-0.0012			0.83725	-9.2105
3	0.2033	2.47473				-0.0181	0.02146	0.02274	
3	0.1983	2.74506				-0.0127		0.02786	-0.1525
3	0.1982	2.66483					0.03317	0.02249	-0.4854
3	0.1979	2.67911			-0.002	-0.012		0.02721	
3	0.1917	2.49664			-0.0051		0.01878	0.02278	
3	0.1895	2.69079	-0.0044		0.01399				-8.0798
3	0.1877	2.47465			0.01106	-0.0118			-8.8496
3	0.1854	2.62508			-0.0035		0.02649	-0.085	
3	0.1758	2.43886		-0.0018	0.00879				-8.4658
3	0.1731	3.07078	-0.0084				0.07413	0.40908	
3	0.1641	3.16639	-0.0079	0.00804			0.08006		
3	0.1624	3.21045	-0.0057			-0.0011	0.08331		
3	0.1459	3.08797		-0.0243	0.00295		0.0845		
3	0.1451	3.16703		-0.0165		-0.0064	0.08469		
3	0.1407	3.11519		-0.0188			0.08284	0.00242	
3	0.1369	2.66343		0.01112		-0.0011			-6.8653
3	0.1369	2.66617	-0.0006	0.01252					-6.7646
3	0.133	2.70273	0.00336			-0.0024			-7.2418
3	0.1199	3.2429	-0.0287	0.06089	0.0195				
3	0.1139	2.90009				-0.0107	0.07338		-0.2615
3	0.1101	2.84454	-0.019	0.03809				1.01483	
3	0.1068	2.73314			-0.0014	-0.0122	0.06361		
3	0.1024	2.83366			0.00127		0.0732		-0.4948
3	0.0686	3.18661	-0.0088		0.00303				0.79121
3	0.0668	3.12134	-0.008			0.00098			0.89072
3	0.0378	3.25651	-0.0108	0.03203		0.00629			
3	0.0349	3.55414	-0.0068		0.00983	-0.0008			
3	0.0222	2.97157		-0.0081	-0.0046			0.62405	
3	0.0192	3.07734		-0.009		-0.0056		0.42836	
3	0.0171	2.87095			-0.005	-0.0047		0.5091	
3	0.0031	3.26138		-0.0032	0.00208	-0.004			
4	0.3684	2.4582	-0.0124		0.01896		0.09104		-7.7075
4	0.3513	3.15133	-0.0165		0.01539		0.05299	0.0257	
4	0.3456	2.54002		-0.0292			0.02953	0.73375	-4.9118
4	0.3446	2.92601		-0.0222			0.05249	0.02492	-3.6168
4	0.3428	2.89281		-0.0319	0.00937			0.03378	-4.3132
4	0.342	3.2229		-0.045	0.00661		0.04502	0.03525	
4	0.3415	2.82984	-0.011		0.01487			0.02758	-4.3519
4	0.3303	2.33409	-0.0078					0.0221	0.89452
									-5.1932

4	0.325	2.2786		-0.0227	0.01048		0.08596			-8.5868
4	0.323	3.16086		-0.037			0.03694	0.03388	0.25449	
4	0.3209	3.26416	0.00371	-0.0456			0.04243	0.03555		
4	0.319	3.30794		-0.0302		-0.0044	0.04578	0.03259		
4	0.3181	2.66546	-0.004				0.04962	0.01843		-4.2651
4	0.3159	1.93369			0.00892	-0.0208	0.07052			-9.4143
4	0.3157	3.00061	0.00806	-0.0459				0.03705		-3.5839
4	0.3155	3.38071		-0.0383	0.00829	-0.01		0.04152		
4	0.3108	3.30776	-0.0063	-0.0222	0.01007			0.0379		
4	0.3091	2.34				-0.0109	0.04751	0.01502		-5.925
4	0.3087	3.27616	-0.013		0.01405	-0.0068		0.03375		
4	0.3084	3.23354		-0.0397	0.00466			0.04024	0.18228	
4	0.3072	3.14315	-0.0138		0.01116			0.03244	0.22647	
4	0.3063	2.12326	-0.0058				0.05927		0.79901	-7.6613
4	0.3062	3.16936		-0.0351		-0.0061		0.03864	0.48126	
4	0.3025	3.14209	-0.0002	-0.0357				0.03846	0.43627	
4	0.2991	2.12943		-0.0154			0.06578		0.60786	-8.1891
4	0.299	1.90353			0.00243		0.04147	0.01133		-7.3694
4	0.2989	3.12828		-0.0174		-0.0016		0.03325		-2.6732
4	0.2966	1.93321					0.0378	0.01212	0.14093	-7.0654
4	0.2966	2.93749	-0.01				0.03125	0.02573	0.45932	
4	0.2949	2.02767				-0.0138		0.0183	0.50532	-6.9936
4	0.2947	3.39534	0.00713	-0.0498		-0.0074		0.04318		
4	0.2925	1.93284				-0.0135	0.05817		0.49477	-8.6835
4	0.2909	2.26914			0.00617	-0.0157		0.02084		-6.6101
4	0.2834	3.10017	-0.0068			-0.0023	0.04219	0.02547		
4	0.2824	2.94219	-0.0098			-0.0023		0.03002	0.63183	
4	0.2794	1.87503			0.00477		0.06304		-0.0433	-8.7023
4	0.278	2.84027	-0.0025			-0.0031		0.02692		-3.5659
4	0.2754	1.9426			-0.0008			0.0174	0.36317	-6.8282
4	0.2733	2.58749		-0.0048		-0.0055	0.0824			-6.668
4	0.2711	2.51129	-0.0008			-0.006	0.07876			-6.7461
4	0.2704	2.51814	0.00111	-0.0102			0.08119			-6.8855
4	0.2621	3.09745	-0.0285	0.03993	0.0209		0.08393			
4	0.2505	1.97922	-0.0109	0.0191					1.26149	-8.0359
4	0.2469	2.14153	-0.0068		0.00553				1.04142	-8.7575
4	0.2443	2.04691	-0.0043			-0.0066			1.25066	-8.8357
4	0.2369	3.45324	-0.0151		0.0202		0.10938		-0.5041	
4	0.234	3.30953	-0.0147		0.01626	-0.0083	0.09713			
4	0.233	1.97725		-0.0061		-0.0101			1.07291	-9.4051
4	0.2317	2.57645	-0.0206	0.04413	0.02053					-7.0668
4	0.2296	1.89052			0.00166	-0.0127			0.85919	-9.6229
4	0.223	1.96297		-0.0085	0.00026				0.96061	-9.2257
4	0.2163	2.75588				-0.0132	0.0346	0.02328	-0.3205	
4	0.2082	2.58619			-0.0025	-0.0138	0.02365	0.02322		
4	0.1985	2.73385			-0.0008	-0.0121		0.02773	-0.1058	
4	0.1983	2.65824			-0.0007		0.03195	0.02257	-0.4345	
4	0.197	2.70991	-0.0037		0.01534	-0.0094				-8.4395
4	0.1877	2.4832		-0.0003	0.01116	-0.0117				-8.8444
4	0.1794	2.95898	-0.013	0.01599			0.06584		0.51414	
4	0.1734	3.0774	-0.0082			-0.0017	0.07442		0.41213	
4	0.1641	3.16763	-0.0078	0.00796		-0.0002	0.08013			

4	0.1574	3.15897		-0.0239	0.00503	-0.0115	0.08884					
4	0.1546	3.27281		-0.0243	0.00801		0.09925				-0.4997	
4	0.1454	3.14293		-0.0174		-0.0068	0.08339				0.05906	
4	0.1397	2.98422	-0.0287	0.05635	0.01357						0.61429	
4	0.1369	2.66885	-0.0004	0.01217		-0.0009						-6.8007
4	0.12	3.233	-0.0289	0.0611	0.01935	0.00146						
4	0.1197	2.97382			0.00519	-0.0143	0.08258				-0.6151	
4	0.112	2.81594	-0.0199	0.0394		0.00462					1.00544	
4	0.0686	3.18652	-0.0088		0.00303	1.4E-05					0.79123	
4	0.0232	2.99725		-0.0077	-0.0039	-0.0035					0.61944	
5	0.4091	2.60808	-0.0141		0.01807		0.06516	0.01662				-5.5674
5	0.3982	2.66281		-0.0378	0.01035		0.05779	0.02468				-5.5129
5	0.3918	2.47932	-0.0116		0.02163	-0.0168	0.09607					-8.326
5	0.3787	2.41461	-0.0202	0.02247	0.02198		0.08532					-7.2151
5	0.369	2.53616		-0.0296			0.03952	0.02416	0.55783			-5.0808
5	0.3688	2.50642	-0.0125		0.02		0.09423		-0.1069			-7.6248
5	0.3595	3.20027	-0.0161		0.01676	-0.0098	0.05569	0.02594				
5	0.3587	2.34008		-0.022	0.01467	-0.02	0.09361					-9.2445
5	0.3581	2.83254	0.00716	-0.0467			0.05048	0.02862				-4.3822
5	0.358	3.31396	-0.0165		0.01981		0.06624	0.02548	-0.4369			
5	0.3576	2.94599		-0.0305	0.012	-0.013		0.03408				-4.6975
5	0.3574	3.30657		-0.0449	0.00906	-0.0133	0.04962	0.03563				
5	0.3545	3.20357	-0.0113	-0.0161	0.01309		0.05155	0.02922				
5	0.3534	2.54796	-0.0115		0.01066			0.02467	0.50665			-5.0748
5	0.3529	2.62834		-0.0328	0.0052			0.0312	0.46384			-4.9975
5	0.3525	2.54746		-0.0271		-0.0084		0.02919	0.81951			-5.1244
5	0.351	2.85226	-0.0102		0.01639	-0.0106		0.02777				-4.7303
5	0.3489	2.31332	-0.0076				0.03525	0.01703	0.71775			-5.4111
5	0.3479	3.37375		-0.0449	0.01074		0.05739	0.03502	-0.4102			
5	0.3466	2.95958		-0.0205		-0.0044	0.05391	0.02474				-3.6173
5	0.3456	2.54593	0.00055	-0.0309				0.02988	0.71625			-4.9205
5	0.3456	2.89679	-0.0052	-0.0182	0.01229			0.03149				-4.2414
5	0.3339	1.97738			0.00697	-0.0203	0.05088	0.01085				-8.0915
5	0.3336	2.3322	-0.0071			-0.006		0.02202	0.92115			-5.4089
5	0.3278	3.32678	0.00622	-0.0515		-0.009	0.04407	0.03706				
5	0.3273	3.18743		-0.0356		-0.0066	0.03751	0.03384	0.30858			
5	0.3251	2.30327		-0.0227	0.01101		0.0876		-0.056			-8.5449
5	0.324	3.04608	0.01114	-0.0525		-0.01		0.03861				-3.8717
5	0.3233	3.17836	0.00136	-0.0411			0.03762	0.03469	0.20684			
5	0.3206	2.6726	-0.0033			-0.0052	0.05081	0.01828				-4.426
5	0.3182	2.01926				-0.0144	0.03946	0.0128	0.33273			-7.1958
5	0.3174	3.37043	-0.0044	-0.0268	0.01058	-0.0088		0.03943				
5	0.3171	2.01978			0.01085	-0.0213	0.07636		-0.1926			-9.2878
5	0.3168	3.31056		-0.039	0.00665	-0.0098		0.041	0.16099			
5	0.3131	3.21533	-0.0068	-0.0218	0.00822			0.03698	0.21573			
5	0.312	2.12316	-0.0048			-0.008	0.06013		0.82653			-7.9167
5	0.3108	3.18685	-0.0134		0.01217	-0.0065		0.03293	0.2068			
5	0.3101	2.14838		-0.0131		-0.0106	0.06622		0.70991			-8.3873
5	0.3067	3.19667	0.00186	-0.0404		-0.007		0.03988	0.42916			
5	0.3063	2.12277	-0.0059	0.00012			0.05921		0.79965			-7.6586
5	0.2993	1.94129			0.00323		0.04385	0.0114	-0.0858			-7.2967
5	0.2974	2.9487	-0.0096			-0.0029	0.03163	0.0258	0.4648			

5	0.297	2.04751			0.00278	-0.0157		0.01852	0.35962	-7.1829
5	0.2759	2.53814	0.00338	-0.0144		-0.0081	0.08418			-7.2329
5	0.2733	2.12191	-0.0196	0.03559	0.01193				0.90379	-7.8509
5	0.2711	3.28407	-0.0285	0.03994	0.02601		0.09882		-0.5044	
5	0.2653	3.13471	-0.0278	0.03849	0.02154	-0.0061	0.08623			
5	0.2538	2.16283	-0.0061		0.00687	-0.009			1.03573	-9.0979
5	0.2522	1.98489	-0.0098	0.01734		-0.0045			1.27689	-8.2408
5	0.2459	3.53859	-0.0147		0.02254	-0.0104	0.11523		-0.5911	
5	0.2355	2.59447	-0.0195	0.04246	0.02125	-0.0068				-7.3627
5	0.2348	2.00786		-0.007	0.00262	-0.0116			0.95884	-9.6001
5	0.2191	2.80887			0.0036	-0.0157	0.04147	0.023	-0.5656	
5	0.1794	2.95819	-0.013	0.01604		0.00012	0.0658		0.51425	
5	0.1702	3.39891		-0.0239	0.01162	-0.0136	0.10775		-0.6139	
5	0.1401	2.97003	-0.0289	0.05661	0.01335	0.00193			0.61678	
6	0.429	2.62141	-0.0132		0.02058	-0.0155	0.07089	0.01593		-6.2282
6	0.4267	2.70634		-0.0366	0.01422	-0.0184	0.06581	0.02384		-6.2246
6	0.4102	2.64599	-0.0111	-0.0094	0.0167		0.06415	0.0188		-5.4916
6	0.4102	2.68999	-0.0142		0.0198		0.07022	0.01679	-0.1781	-5.4075
6	0.399	2.73487		-0.038	0.01183		0.06221	0.02486	-0.1572	-5.3727
6	0.3976	2.44417	-0.0176	0.01717	0.02371	-0.0153	0.09126			-7.8962
6	0.3934	2.58119	-0.0116		0.02391	-0.0174	0.10296		-0.2241	-8.1754
6	0.3793	2.4746	-0.0203	0.02273	0.02332		0.08926		-0.1342	-7.1055
6	0.377	2.54407		-0.0274		-0.009	0.04042	0.02367	0.64585	-5.3128
6	0.3711	2.87967	0.01099	-0.0551		-0.0126	0.05354	0.03009		-4.7932
6	0.3699	2.56072	0.00231	-0.0365			0.04069	0.02546	0.47955	-5.1223
6	0.3691	3.40788	-0.0161		0.02242	-0.0116	0.07236	0.02572	-0.5334	
6	0.3673	2.68507		-0.0314	0.00787	-0.0129		0.03153	0.45661	-5.367
6	0.3672	3.51521		-0.0447	0.01479	-0.0151	0.06643	0.03538	-0.5365	
6	0.3651	3.27838	-0.0091	-0.0216	0.01389	-0.0113	0.05416	0.03073		
6	0.3623	2.57635	-0.0107		0.01224	-0.0103		0.02492	0.49472	-5.425
6	0.3609	3.36052	-0.0115	-0.0154	0.01753		0.06459	0.02886	-0.4279	
6	0.36	2.4296		-0.022	0.01668	-0.0205	0.09968		-0.1993	-9.1134
6	0.3581	2.94518	-0.0024	-0.0243	0.01321	-0.0123		0.03301		-4.6456
6	0.3568	2.61716	-0.0062	-0.0166	0.00844			0.02832	0.49175	-4.953
6	0.3545	2.58841	0.00367	-0.0375		-0.0104		0.03144	0.72353	-5.2322
6	0.3533	2.31048	-0.0067			-0.007	0.03635	0.01679	0.74308	-5.6679
6	0.3357	2.0814			0.00926	-0.021	0.05758	0.01102	-0.2311	-7.9184
6	0.3297	3.24778	0.00403	-0.0472		-0.0087	0.0397	0.03624	0.18532	
6	0.3191	3.28735	-0.0049	-0.0263	0.00895	-0.0085		0.03856	0.18778	
6	0.3123	2.14068	-0.0035	-0.0042		-0.0085	0.06217		0.80581	-8.0288
6	0.2774	2.13925	-0.0184	0.03385	0.01264	-0.0069			0.90613	-8.157
6	0.2764	3.35848	-0.0276	0.03802	0.02755	-0.0081	0.10387		-0.572	
7	0.4324	2.69027	-0.0078	-0.0168	0.0183	-0.0166	0.06949	0.01979		-6.14
7	0.4317	2.75324	-0.0133		0.02348	-0.0163	0.07927	0.01617	-0.2853	-6.0046
7	0.4295	2.84031		-0.0369	0.01711	-0.0192	0.07425	0.02413	-0.2883	-5.9978
7	0.4113	2.72659	-0.0112	-0.0093	0.01842		0.06916	0.01895	-0.1762	-5.3343
7	0.3994	2.55061	-0.0177	0.01743	0.02614	-0.0159	0.09842		-0.2353	-7.7317
7	0.3824	2.6126	0.00617	-0.0449		-0.0124	0.04389	0.02697	0.46961	-5.5102
7	0.3747	3.48605	-0.009	-0.0217	0.01955	-0.0131	0.07084	0.03052	-0.5335	
7	0.3684	2.67475	-0.0034	-0.0225	0.00947	-0.0119		0.02991	0.47262	-5.3155
8	0.4352	2.82465	-0.0078	-0.017	0.0212	-0.0174	0.07797	0.02008	-0.2892	-5.9124

LAG 5

Number In Model	RSquare	Intercept	ALK_5	CA_5	CL_5	DOC_5	SIO2_5	SO4_5	TKN_5	TPO4_5
1	0.0753	3.3293								-3.689
1	0.054	2.23063					0.04819			
1	0.0532	2.19359						0.01714		
1	0.0285	4.14915							-0.3954	
1	0.0247	3.95331		-0.0102						
1	0.0146	3.72129			-0.0042					
1	0.0128	2.66945				0.0102				
1	0.0127	3.74297	-0.0023							
2	0.3579	4.33901		-0.0582			0.19406			
2	0.2211	3.67684		-0.0354				0.0437		
2	0.2146	3.87178	-0.0118				0.13362			
2	0.1689	2.1326						0.02342		-4.7118
2	0.1571	3.81001					0.08498		-0.86	
2	0.1212	2.50178					0.04456			-3.4943
2	0.1182	3.50468						0.02347	-0.6299	
2	0.1142	3.15475			-0.0095		0.0726			
2	0.1092	2.62057				0.01712				-4.3003
2	0.1046	3.17496	-0.0051					0.02467		
2	0.0849	3.87354	-0.002							-3.6173
2	0.0842	3.83173		-0.0063						-3.3777
2	0.083	3.76764			-0.0031					-3.5442
2	0.0782	3.67693							-0.1406	-3.3356
2	0.0772	2.89336			-0.0054			0.01878		
2	0.0643	3.59155		-0.0163		0.01985				
2	0.0637	2.04259					0.02908	0.01003		
2	0.0626	3.80344				0.01782			-0.5594	
2	0.0548	2.15609				0.00269	0.04586			
2	0.0546	2.09031				0.00361		0.01614		
2	0.0497	3.37365			-0.0075	0.01895				
2	0.0473	3.45853	-0.0043			0.01888				
2	0.0321	4.25363		-0.0053					-0.27	
2	0.0285	4.16032			-0.0004				-0.3756	
2	0.0285	4.15318	-5E-05						-0.3913	
2	0.0282	3.84718	0.00267	-0.0178						
2	0.0253	4.00782		-0.0088	-0.0012					
2	0.015	3.77062	-0.0008		-0.0031					
3	0.4227	4.10437		-0.0656			0.1615	0.02686		
3	0.3827	4.04438		-0.0621		0.01575	0.1902			
3	0.3618	4.21224		-0.0625	0.00288		0.19732			
3	0.3596	4.47998		-0.0556			0.19297		-0.1287	
3	0.3586	4.28986	0.00121	-0.0615			0.19355			
3	0.3579	4.34019		-0.0583			0.19428			0.02088
3	0.335	2.84331	0.01779	-0.0973				0.06383		
3	0.3096	3.50593		-0.0326				0.04712		-4.1458
3	0.2679	3.08339		-0.0557	0.01122			0.05553		
3	0.2556	3.96239	-0.0109				0.12433			-2.7585
3	0.2498	3.77566	-0.0209		0.01395		0.1635			
3	0.2477	3.3878		-0.0397		0.01632		0.04237		

3	0.2379	3.63442	-0.0132			0.01554	0.1302			
3	0.2326	4.3114	-0.0094				0.13439		-0.4186	
3	0.2284	3.18789	-0.0055					0.03176		-4.8808
3	0.2211	3.65534		-0.0358				0.04382	0.01863	
3	0.2159	3.78082	-0.0116				0.12553	0.00361		
3	0.1862	2.88025						0.02594	-0.3544	-3.9309
3	0.1843	2.6992			-0.0044			0.02453		-4.5544
3	0.1785	1.85625				0.00954		0.0211		-4.9511
3	0.1689	2.14653					-0.0028	0.02417		-4.7564
3	0.1676	3.61499					0.07578		-0.6847	-1.6369
3	0.1667	3.64447				0.00977	0.07897		-0.9171	
3	0.1656	3.62525					0.06695	0.00935	-0.8549	
3	0.1632	3.24801			-0.008		0.06572			-3.0256
3	0.1619	3.88386			-0.0033		0.08771		-0.7246	
3	0.1518	3.49698	-0.0048			0.02708				-4.4865
3	0.1443	3.30771			-0.0073	0.02558				-4.26
3	0.142	3.37015		-0.0132		0.02429				-3.9082
3	0.1326	2.23577				0.01082	0.03476			-3.9237
3	0.1309	3.35011				0.01124		0.02116	-0.7102	
3	0.1285	2.97703			-0.0112	0.01239	0.06625			
3	0.1261	3.63692	-0.0025					0.02549	-0.4588	
3	0.1222	3.01508	-0.0063			0.01369		0.02266		
3	0.1215	3.24079				0.02019			-0.3023	-3.6502
3	0.1187	3.47284			0.00105			0.02365	-0.6794	
3	0.116	3.03337			-0.0091		0.06316	0.00443		
3	0.1126	3.03895	-0.0087		0.00647			0.02806		
3	0.0906	2.79195			-0.0074	0.01232		0.01595		
3	0.0855	3.90694		-0.0043	-0.0016					-3.3986
3	0.0854	3.7937	-0.0025						0.08275	-3.8089
3	0.0851	3.88292	-0.0014	-0.0021						-3.5344
3	0.085	3.8782	-0.0017		-0.0006					-3.6
3	0.0843	3.79888		-0.0068					0.02799	-3.4256
3	0.0831	3.7245			-0.0034				0.03778	-3.6225
3	0.076	3.94875		-0.0105		0.02101			-0.3401	
3	0.0706	3.72561		-0.0125	-0.0037	0.02194				
3	0.0674	3.84967			-0.0034	0.01997			-0.4233	
3	0.0668	3.90102	-0.0019			0.01996			-0.4375	
3	0.0647	3.56099	0.00096	-0.0189		0.01944				
3	0.064	2.00233				0.00159	0.02808	0.00983		
3	0.0524	3.48671	-0.002		-0.0047	0.01982				
3	0.0425	3.97996	0.00966	-0.0269	-0.0089					
3	0.0384	4.16788	0.00366	-0.0146						-0.3235
3	0.0323	4.24522		-0.0057	0.00066					-0.2897
3	0.0286	4.14893	0.00027		-0.0008					-0.3806
4	0.4678	3.49076	0.01173	-0.1019			0.13743	0.04265		
4	0.4649	3.53591		-0.0845	0.01066		0.1597	0.03829		
4	0.4429	3.84558		-0.0689		0.01426	0.15911	0.02595		
4	0.4296	4.00302		-0.0615			0.14412	0.02978		-1.342
4	0.4228	4.07406		-0.0662			0.16152	0.02703	0.02631	
4	0.3862	4.23639		-0.0584		0.01642	0.18845		-0.1868	
4	0.3837	4.00311		-0.0604		0.01644	0.18484			-0.5032
4	0.3831	4.01124		-0.0634	0.00101	0.01516	0.19148			

4	0.3827	4.04948	-0.0002	-0.0617		0.01582	0.19025			
4	0.3717	2.90205	0.01402	-0.0823				0.06193		-2.8519
4	0.3675	4.42664		-0.0595	0.00454		0.19697		-0.2621	
4	0.3635	4.22589	-0.0032	-0.0577	0.00551		0.20163			
4	0.3619	4.21784		-0.063	0.00293		0.19879			0.13716
4	0.3609	4.43921	0.00169	-0.0596			0.19204		-0.1541	
4	0.3599	4.52517		-0.0562			0.19599		-0.1538	0.31368
4	0.3587	4.29233	0.00143	-0.0628			0.19551			0.19892
4	0.3585	2.89638		-0.0533	0.01149			0.05928		-4.1979
4	0.3536	3.11159		-0.0378		0.02124		0.04576		-4.5876
4	0.3401	2.76215	0.01669	-0.0954		0.0075		0.06197		
4	0.3366	2.89877	0.01999	-0.0995	-0.003			0.06316		
4	0.3363	2.96663	0.01802	-0.0955				0.06333	-0.1165	
4	0.3305	2.87898		-0.0433				0.05125	0.50979	-5.0843
4	0.3005	3.64658	-0.0126			0.02233	0.11683			-3.5269
4	0.2974	3.86462	-0.0208		0.01527		0.15627			-2.9844
4	0.2939	4.46869	-0.0206		0.01957		0.17683		-0.6969	
4	0.277	2.99776		-0.0551	0.00944	0.01016		0.05282		
4	0.2752	3.32693		-0.0525	0.01312			0.05558	-0.2982	
4	0.2737	3.60477	-0.0099				0.08706	0.01533		-3.6259
4	0.2725	2.93032	-0.0075			0.02219		0.0294		-5.4991
4	0.2663	2.88176	-0.0137		0.01466			0.04058		-5.6602
4	0.2641	3.59783	-0.0209		0.01226	0.0124	0.15715			
4	0.2591	4.09688	-0.0107			0.01664	0.1308		-0.4565	
4	0.2564	4.06392	-0.0104				0.12536		-0.1045	-2.5095
4	0.255	3.57774	-0.0212		0.01499		0.14877	0.00757		
4	0.2479	3.44003		-0.0386		0.01652		0.04204	-0.0482	
4	0.238	3.61416	-0.0131			0.01538	0.12822	0.0009		
4	0.2346	4.20536	-0.0092				0.12403	0.00463	-0.4288	
4	0.2309	3.00119	-0.0066					0.03207	0.18659	-5.3251
4	0.2121	2.53683			-0.0072	0.01791		0.02087		-4.9045
4	0.2037	2.67545				0.0132		0.02332	-0.4385	-4.0766
4	0.1955	2.99128			-0.0104	0.01925	0.05442			-3.6534
4	0.1935	3.07713					0.03179	0.01868	-0.5228	-3.0518
4	0.1887	2.76883			-0.0058		0.02327	0.01871		-4.131
4	0.1883	2.91955			-0.0022			0.02567	-0.2362	-4.1111
4	0.1825	3.35424				0.01245	0.06577		-0.7125	-2.0553
4	0.18	1.88429				0.0107	-0.0124	0.0241		-5.1779
4	0.1768	3.70709			-0.005	0.01266	0.08131		-0.7294	
4	0.1764	3.67733			-0.0046		0.07766		-0.4587	-1.98
4	0.1732	3.49885				0.00876	0.06371	0.00823	-0.9066	
4	0.1676	3.70214			-0.0023		0.07138	0.00802	-0.7627	
4	0.1533	3.35103	-0.0056			0.02736			0.14727	-4.8364
4	0.1529	3.51014	-0.0037		-0.0023	0.02743				-4.4309
4	0.1528	3.53875		-0.0081	-0.0049	0.02716				-4.0331
4	0.1518	3.49375	-0.005	0.00064		0.02711				-4.5124
4	0.1488	3.57065	-0.0081		0.01165			0.03192	-0.6362	
4	0.1463	3.49371	-0.0037			0.01472		0.02338	-0.4873	
4	0.1446	3.2327			-0.0079	0.02564			0.06483	-4.396
4	0.142	3.38503		-0.013		0.0243			-0.013	-3.8864
4	0.1312	3.36865			-0.0009	0.0119		0.02087	-0.6721	
4	0.1288	2.93332			-0.011	0.012	0.06261	0.0018		



4	0.1258	2.93796	-0.0087		0.00449	0.01221		0.02523		
4	0.0884	3.69514	0.00984	-0.031	-0.0116	0.0221				
4	0.0864	3.80562		-0.0053	-0.0024				0.11611	-3.6068
4	0.0856	3.78766	-0.0021		-0.001				0.09749	-3.8127
4	0.0856	3.80356	-0.0019	-0.0021					0.08202	-3.7264
4	0.0855	3.90694	7.5E-05	-0.0045	-0.0017					-3.3912
4	0.0779	3.91294	0.00201	-0.0154		0.02024				-0.3669
4	0.0774	3.96031		-0.0094	-0.0019	0.0219				-0.2857
4	0.0679	3.88355	-0.0009		-0.0023	0.02034				-0.4067
4	0.0453	4.13855	0.00867	-0.023	-0.0069					-0.1901
5	0.4753	3.39904	0.01035	-0.0997		0.00905	0.13876	0.04021		
5	0.473	3.41758		-0.0803	0.01082		0.14082	0.04163		-1.4553
5	0.4726	3.42755	0.00737	-0.0981	0.00547		0.14547	0.04263		
5	0.4711	3.75776		-0.0815	0.0124		0.15924	0.03838	-0.2732	
5	0.4709	3.46318		-0.0839	0.00922	0.00825	0.15856	0.03621		
5	0.4689	3.47282	0.01128	-0.0988			0.13121	0.04324		-0.5524
5	0.4682	3.55684	0.01188	-0.101			0.1371	0.04243	-0.0639	
5	0.4559	3.66161		-0.0636		0.01659	0.13442	0.02988		-1.8757
5	0.443	3.88017		-0.0682		0.01439	0.15907	0.02573	-0.032	
5	0.4327	3.73198		-0.0644			0.13781	0.03218	0.20272	-1.8378
5	0.3887	4.22443		-0.0605	0.00265	0.01513	0.19114		-0.2601	
5	0.3885	2.76152	0.01124	-0.0759		0.01402		0.05809		-3.4
5	0.3863	4.20766		-0.0581		0.01662	0.18667		-0.1731	-0.1793
5	0.3863	4.2289	0.0004	-0.0594		0.01627	0.18827		-0.1923	
5	0.3843	4.02486	-0.0026	-0.0594	0.00321	0.01499	0.19512			
5	0.3841	4.02302	-0.001	-0.0574		0.01703	0.18367			-0.6418
5	0.3839	3.98227		-0.0615	0.00075	0.01593	0.18627			-0.4577
5	0.379	2.75281		-0.0523	0.0088	0.01541		0.05545		-4.5062
5	0.3765	2.6435	0.01272	-0.083				0.06262	0.25584	-3.4431
5	0.3736	2.84164	0.01099	-0.078	0.0036			0.06254		-3.148
5	0.3714	4.49386	-0.005	-0.0514	0.00899		0.20361		-0.3183	
5	0.3705	2.56399		-0.0472		0.0203		0.04954	0.45947	-5.4139
5	0.3703	4.55003		-0.0623	0.00553		0.20688		-0.3662	0.93754
5	0.3637	4.2196	-0.0037	-0.0561	0.00583		0.20008			-0.2045
5	0.3628	4.5308	0.00286	-0.0642			0.19941		-0.238	0.83041
5	0.3617	2.70072		-0.0554	0.01012			0.0596	0.21801	-4.5931
5	0.3433	2.82827	0.01966	-0.0983	-0.0043	0.00873		0.06071		
5	0.342	2.90583	0.01691	-0.0932		0.00794		0.06127	-0.1403	
5	0.337	2.96317	0.01958	-0.0978	-0.0022			0.06301	-0.0742	
5	0.3342	3.31436	-0.0217		0.01897		0.10914	0.02257		-4.3162
5	0.3295	3.60828	-0.0208		0.01293	0.01918	0.14493			-3.6099
5	0.3147	3.34189	-0.0117			0.0214	0.08402	0.01363		-4.2658
5	0.3089	4.25985	-0.0206		0.01828		0.16679		-0.4266	-2.0123
5	0.3088	4.2919	-0.0206		0.01788	0.01266	0.17044			-0.7016
5	0.3048	4.23073	-0.0211		0.02152		0.15628	0.01108	-0.7488	
5	0.3006	3.6867	-0.0124			0.02223	0.11725		-0.0399	-3.4286
5	0.2976	2.71318	-0.014		0.01215	0.01904		0.03704		-6.0573
5	0.2843	3.23997		-0.052	0.01134	0.0101		0.05289	-0.2959	
5	0.2764	2.69348	-0.0089			0.02257		0.02974	0.23228	-6.0628
5	0.2737	3.60195	-0.0099				0.087	0.01535	0.00251	-3.6328
5	0.2663	3.48074	-0.0211		0.01311	0.01131	0.14783	0.00508		
5	0.2663	2.87649	-0.0138		0.01463			0.04057	0.0059	-5.6727

5	0.2594	4.05904	-0.0106			0.01633	0.12678	0.00183	-0.4598	
5	0.2148	2.59602			-0.0082	0.01743	0.01832	0.01638		-4.5618
5	0.2143	2.70626			-0.0055	0.01741		0.02182	-0.1768	-4.5631
5	0.2074	2.83696				0.012	0.02305	0.0183	-0.553	-3.4258
5	0.2033	3.34447			-0.0075	0.01777	0.06456		-0.3562	-2.793
5	0.1976	3.16288			-0.0032		0.03658	0.0172	-0.3797	-3.1763
5	0.1793	3.59954			-0.0041	0.01149	0.07077	0.00547	-0.7549	
5	0.1612	3.46686	-0.008		0.00968	0.01182		0.02914	-0.6291	
5	0.1558	3.34483		-0.01	-0.0064	0.02771			0.21372	-4.429
5	0.1555	3.32284	-0.0044		-0.0032	0.02794			0.19432	-4.8703
5	0.1534	3.34682	-0.0058	0.00076		0.02739			0.14762	-4.8682
5	0.1533	3.53527	-0.0021	-0.0039	-0.0033	0.02741				-4.25
5	0.091	3.84883	0.00889	-0.0272	-0.0097	0.02206			-0.1835	
5	0.0864	3.80559	9.7E-05	-0.0055	-0.0025				0.11614	-3.5972
6	0.4825	3.29793		-0.0785	0.009	0.0106	0.13517	0.0397		-1.7772
6	0.479	3.34581	0.00919	-0.0933		0.01093	0.1272	0.04082		-1.05
6	0.4781	3.36151	0.00712	-0.097	0.00426	0.0079	0.14484	0.04051		
6	0.477	3.68413		-0.0809	0.01096	0.0082	0.15811	0.03632	-0.2716	
6	0.4762	3.37408	0.00517	-0.091	0.00713		0.13602	0.04376		-1.0546
6	0.4761	3.49062	0.01051	-0.0983		0.00933	0.13832	0.03981	-0.0914	
6	0.4759	3.61436	0.00604	-0.0934	0.00772		0.14769	0.04192	-0.206	
6	0.4744	3.57119		-0.0797	0.01175		0.14528	0.04084	-0.1528	-1.0915
6	0.4689	3.48301	0.01132	-0.0988			0.13144	0.04318	-0.0091	-0.5273
6	0.4584	3.42201		-0.0663		0.01641	0.12887	0.03203	0.18198	-2.315
6	0.3941	2.47504	0.00974	-0.0765		0.01441		0.05874	0.27959	-4.0614
6	0.3917	4.28766	-0.0044	-0.0534	0.00662	0.01484	0.19711		-0.3097	
6	0.3894	2.72312	0.00921	-0.0731	0.00249	0.01367		0.05861		-3.5917
6	0.3888	4.25586		-0.0611	0.00291	0.01478	0.19343		-0.2828	0.2035
6	0.3869	3.97758	-0.0048	-0.0525	0.00444	0.01641	0.18758			-0.9178
6	0.3863	4.21013	0.00019	-0.0586		0.01651	0.18695		-0.1785	-0.1424
6	0.3837	2.50649		-0.0548	0.00701	0.01605		0.05568	0.26784	-5.0044
6	0.3771	2.63664	0.0111	-0.0804	0.0021			0.0629	0.22782	-3.5508
6	0.3723	4.55636	-0.0039	-0.055	0.00864		0.20836		-0.3711	0.58566
6	0.3588	3.14379	-0.0216		0.01653	0.01692	0.1039	0.0203		-4.7335
6	0.3437	2.89421	0.01924	-0.0966	-0.0035	0.00874		0.06056	-0.0761	
6	0.3409	3.65028	-0.0216		0.02106		0.12	0.02124	-0.3275	-3.4913
6	0.336	3.92619	-0.0207		0.01538	0.01783	0.15371		-0.3237	-2.8284
6	0.3151	4.13169	-0.021		0.01965	0.01081	0.1553	0.00867	-0.7416	
6	0.3149	3.27839	-0.012			0.0215	0.08258	0.01398	0.05537	-4.4213
6	0.2981	2.63847	-0.0143		0.0117	0.01929		0.03688	0.08108	-6.2336
6	0.22	2.91217			-0.006	0.01632	0.02894	0.01536	-0.294	-3.795
6	0.1563	3.34128	-0.0021	-0.0057	-0.0047	0.02796			0.21379	-4.6465
7	0.4845	3.27107	0.00406	-0.087	0.00621	0.00996	0.13176	0.04149		-1.4434
7	0.4832	3.40592		-0.0782	0.00969	0.01024	0.13839	0.03923	-0.1034	-1.5201
7	0.4814	3.54917	0.00579	-0.0923	0.00652	0.00792	0.14708	0.03978	-0.2072	
7	0.479	3.32454	0.0091	-0.0933		0.01097	0.12671	0.04093	0.01854	-1.103
7	0.4773	3.51232	0.00493	-0.09	0.00813		0.1402	0.04297	-0.1354	-0.7508
7	0.3942	2.4741	0.00925	-0.0757	0.00066	0.01431		0.05886	0.27062	-4.0907
7	0.3919	4.25444	-0.0048	-0.0519	0.0067	0.01525	0.19484		-0.2862	-0.2579
7	0.3624	3.40296	-0.0215		0.01822	0.016	0.11226	0.01943	-0.2436	-4.0972
8	0.485	3.36849	0.00393	-0.0864	0.00693	0.00966	0.13474	0.04101	-0.0924	-1.2244

LAG 6

Number In Model	RSquare	Intercept	ALK_6	CA_6	CL_6	DOC_6	SIO2_6	SO4_6	TKN_6	TPO4_6
1	0.1564	3.52793								-9.2903
1	0.1028	5.07148			-0.0122					
1	0.0586	4.74359		-0.0187						
1	0.0417	4.35487	-0.0043							
1	0.0211	2.09447				0.02588				
1	0.0079	3.71779							-0.2002	
1	0.0003	3.25156						-0.0014		
1	0	3.15214					0.00101			
2	0.2353	3.21719			-0.0206	0.07579				
2	0.2166	4.96587			-0.0095					-8.094
2	0.2049	1.90157				0.03989				-10.239
2	0.1831	2.41526							0.44591	-11.92
2	0.1786	2.32123					0.06033			-10.58
2	0.1665	4.19358		-0.0084						-8.331
2	0.1584	3.79142	-0.001							-8.8163
2	0.1564	3.53162						-7E-05		-9.2896
2	0.1337	4.56731			-0.0184				0.54009	
2	0.1305	3.34276		-0.028		0.05239				
2	0.1142	2.90975	-0.0071			0.054				
2	0.1112	5.44167		-0.0082	-0.0101					
2	0.1084	4.56402			-0.0128		0.02915			
2	0.1029	5.02718			-0.0122			0.00088		
2	0.1028	5.08723	-0.0002		-0.012					
2	0.08	2.504				0.06315			-0.7215	
2	0.0725	4.07347		-0.023			0.04962			
2	0.0671	4.54321		-0.022				0.00838		
2	0.0612	4.58511		-0.0213					0.13772	
2	0.0587	4.75018	-0.0003	-0.0178						
2	0.0462	4.1532	-0.0055						0.20548	
2	0.046	3.92951	-0.0047				0.02599			
2	0.042	4.29209	-0.0043					0.00139		
2	0.0229	2.34898				0.02825	-0.017			
2	0.022	2.21376				0.02634		-0.0025		
2	0.0095	3.47683					0.01649		-0.2378	
2	0.0082	3.79745						-0.0014	-0.2003	
2	0.0005	3.15241					0.0073	-0.0023		
3	0.4361	3.18688			-0.0273				1.78946	-16.411
3	0.3733	2.92993			-0.0184	0.08276				-8.9493
3	0.2634	3.73403		-0.0154	-0.0175	0.08289				
3	0.2531	3.57931			-0.0108		0.07852			-9.6193
3	0.2439	2.72529		-0.0178		0.05439				-8.5451
3	0.242	3.35452	-0.0022		-0.0184	0.07936				
3	0.2353	3.24737			-0.0206	0.07587		-0.0006		
3	0.2353	3.25085			-0.0206	0.07606	-0.0023			
3	0.2353	3.21646			-0.0206	0.07562			0.00529	
3	0.2337	4.57173	0.00374		-0.0134					-9.3646
3	0.2286	2.37444	-0.0039			0.05316				-8.7308
3	0.2192	3.19187		-0.0176					0.6958	-11.376

3	0.217	4.88295		0.0018	-0.0099					-8.2502
3	0.217	4.88801			-0.0096		0.00154			-8.1045
3	0.2141	1.28513				0.03531	0.04015			-10.989
3	0.2134	2.83139	-0.0049					0.79301		-11.66
3	0.2053	1.85574				0.03675		0.06959		-10.575
3	0.2053	1.97738				0.04016		-0.0016		-10.228
3	0.2045	2.98265		-0.0143			0.0842			-9.4489
3	0.1957	1.66992					0.04692	0.3685		-12.466
3	0.1922	2.27201					0.09704	-0.0122		-11.224
3	0.1837	2.64976	-0.0017				0.06547			-9.9137
3	0.1831	2.39474						0.00035	0.44626	-11.926
3	0.1698	4.12875	0.00215	-0.0146						-8.6253
3	0.1687	4.10092		-0.0103				0.00433		-8.1642
3	0.1584	3.7676	-0.001					0.00053		-8.8113
3	0.1578	5.07931		-0.0147	-0.0165				0.69824	
3	0.145	3.36567		-0.0236		0.06831				-0.3898
3	0.1449	3.01761		-0.0327		0.05476		0.01095		
3	0.1424	4.71422	-0.0028		-0.0169				0.68122	
3	0.1368	2.95043		-0.0306		0.05008	0.03362			
3	0.136	3.30845	-0.0028	-0.0201		0.05587				
3	0.1344	4.45545			-0.0186			0.0021	0.54651	
3	0.1341	4.45791			-0.0183		0.0073		0.5211	
3	0.1252	4.7702		-0.0126	-0.0101		0.04976			
3	0.1217	2.92965	-0.0058			0.06465				-0.3105
3	0.1204	5.49414	0.00387	-0.0181	-0.0121					
3	0.1144	2.83299	-0.0072			0.05346	0.00557			
3	0.1144	2.86229	-0.0072			0.05397		0.00107		
3	0.1143	5.29072		-0.0107	-0.0097			0.00515		
3	0.1101	4.57434			-0.0129		0.04076	-0.0042		
3	0.1089	4.59256	-0.0006		-0.0122		0.03092			
3	0.103	5.0429	-0.0002		-0.012			0.00097		
3	0.0824	2.70799				0.06449		-0.0041	-0.7329	
3	0.0805	2.37645				0.0628	0.00919			-0.7396
3	0.0739	4.103		-0.0238			0.0403	0.00402		
3	0.0739	4.21864		-0.0272				0.01074	0.23286	
3	0.0733	4.01718		-0.0243			0.04719		0.07746	
3	0.0725	4.0655	0.0002	-0.0237			0.04989			
3	0.0677	4.50186	0.00099	-0.0253				0.00924		
3	0.0626	4.55454	-0.0016	-0.0175					0.19323	
3	0.0487	3.86138	-0.0056				0.02032		0.16391	
3	0.047	4.03579	-0.0057					0.00232	0.21855	
3	0.0467	3.93104	-0.0047				0.03311	-0.0026		
3	0.023	2.35231				0.02813	-0.0154	-0.0005		
3	0.0126	3.53715					0.03546	-0.006	-0.2815	
4	0.466	2.54922			-0.0278	0.04271			1.37399	-14.922
4	0.4473	2.48391			-0.0273		0.04412		1.71292	-16.913
4	0.4418	2.83321			-0.0279			0.00632	1.82442	-16.617
4	0.4394	3.40431		-0.0055	-0.0265				1.82484	-16.1
4	0.4362	3.20122	-0.0002		-0.0272				1.79789	-16.377
4	0.386	2.21498			-0.0186	0.07785	0.04732			-9.8179
4	0.3767	2.80737	0.0017		-0.0199	0.08046				-9.5027
4	0.3762	3.11731		-0.0052	-0.0175	0.08481				-8.5225

4	0.3733	2.93199			-0.0184	0.08276		-4E-05		-8.9491
4	0.2686	3.52641		-0.0185	-0.0171	0.08352		0.00664		
4	0.2685	3.54218			-0.0109		0.11776	-0.013		-10.293
4	0.2684	1.86537		-0.0218		0.04991	0.0682			-9.4329
4	0.2674	3.79222	0.00256	-0.0218	-0.0187	0.08175				
4	0.2665	3.45018		-0.0173	-0.0174	0.08095	0.024			
4	0.2658	3.31837	0.00324		-0.014		0.07398			-10.631
4	0.2655	3.74855		-0.0165	-0.0186	0.07801			0.16593	
4	0.2549	3.67342		-0.0042	-0.0099		0.08403			-9.3659
4	0.2495	2.53931		-0.021		0.05582		0.00689		-8.2854
4	0.2493	2.62265		-0.0196		0.04314			0.28228	-9.7359
4	0.2481	2.21383		-0.022			0.0739		0.63692	-12.099
4	0.2453	4.91468	0.00695	-0.0148	-0.0134					-9.1723
4	0.244	2.72445	-0.0003	-0.017		0.05475				-8.506
4	0.2434	3.36225	-0.0027		-0.0191	0.07541			0.14329	
4	0.2421	3.30959	-0.0023		-0.0184	0.07904	0.00325			
4	0.242	3.34236	-0.0022		-0.0184	0.07935		0.00027		
4	0.2402	1.70496	-0.0041			0.04869	0.04521			-9.4958
4	0.2383	2.25676	-0.0051			0.03897			0.40955	-10.222
4	0.2353	3.25414			-0.0206	0.07595	-0.0008	-0.0005		
4	0.2353	3.24681			-0.0206	0.0758		-0.0006	0.00205	
4	0.2353	3.25423			-0.0206	0.07573	-0.0027		0.01139	
4	0.2337	4.57135	0.00374		-0.0134			8.4E-06		-9.3645
4	0.232	2.82358		-0.0236				0.01078	0.79148	-11.379
4	0.2286	2.36441	-0.0039			0.05315		0.00023		-8.7287
4	0.2276	2.05113	-0.0051				0.04981		0.72002	-12.233
4	0.2238	1.29718				0.03348	0.07233	-0.0104		-11.514
4	0.2217	3.14537	-0.0021	-0.0125					0.77226	-11.422
4	0.2171	4.85499		0.00126	-0.0099			0.00105		-8.2106
4	0.2153	2.63754	-0.0052					0.00371	0.81648	-11.71
4	0.2142	1.26869				0.03382	0.03976		0.03398	-11.145
4	0.213	2.77953	0.00349	-0.0249			0.09101			-10.016
4	0.2097	2.85872		-0.0123			0.10452	-0.0079		-10.022
4	0.2056	1.92839				0.03733		-0.0014	0.06231	-10.53
4	0.2035	1.73834					0.07768	-0.0095	0.30813	-12.659
4	0.1962	2.56736	-0.0015				0.10027	-0.0118		-10.605
4	0.1747	3.95465	0.00308	-0.0203				0.00684		-8.4883
4	0.171	4.70633		-0.0207	-0.0166			0.01098	0.79708	
4	0.1624	4.70782		-0.0167	-0.016		0.02963		0.64355	
4	0.1585	5.11033	0.00114	-0.0173	-0.0168				0.66825	
4	0.1544	2.88071		-0.0262		0.0673	0.04179		-0.4353	
4	0.1527	3.10982		-0.0282		0.06652		0.00844	-0.3012	
4	0.1461	3.03444	-0.0014	-0.0282		0.05628		0.00979		
4	0.1455	3.35107	-0.001	-0.0212		0.06804			-0.3524	
4	0.1452	2.93792		-0.033		0.05387	0.00957	0.00987		
4	0.1444	4.52694	-0.003		-0.017			0.00378	0.70634	
4	0.143	4.56679	-0.0028		-0.0168		0.01002		0.65771	
4	0.1406	2.97081	-0.0024	-0.0235		0.05333	0.02938			
4	0.1378	4.74781	0.00458	-0.0248	-0.0124		0.05601			
4	0.1344	4.44841			-0.0185		0.00088	0.00198	0.54386	
4	0.1286	5.25246	0.00509	-0.0253	-0.012			0.00881		
4	0.1252	4.76924		-0.0124	-0.0102		0.05091	-0.0005		

4	0.1227	2.75198	-0.0058			0.06416	0.01301		-0.3332	
4	0.1217	2.94385	-0.0058			0.06474		-0.0003	-0.313	
4	0.1145	2.82965	-0.0072			0.05361	0.00387	0.00061		
4	0.1105	4.60141	-0.0006		-0.0123		0.0423	-0.0042		
4	0.0871	2.43293				0.06467	0.03706	-0.0088	-0.8192	
4	0.0767	4.00599		-0.0269			0.02835	0.00697	0.16328	
4	0.0743	4.07814	0.00077	-0.0264			0.03964	0.00476		
4	0.074	4.21853	-0.0004	-0.026				0.01049	0.24644	
4	0.0734	4.0225	-0.0005	-0.0231			0.046		0.09522	
4	0.0487	3.86506	-0.0056				0.02238	-0.0007	0.156	
5	0.4732	2.0215			-0.0277	0.04007	0.03559		1.33793	-15.418
5	0.472	2.81308		-0.0075	-0.0266	0.0449			1.40095	-14.421
5	0.4688	2.32563			-0.0282	0.04095		0.00446	1.41582	-15.128
5	0.4662	2.57415	-0.0004		-0.0275	0.04283			1.38854	-14.854
5	0.4555	2.6654		-0.0091	-0.0258		0.05542		1.75215	-16.523
5	0.4531	3.02318		-0.0116	-0.0265			0.01117	1.92642	-16.114
5	0.4474	2.50424	-0.0004		-0.027		0.04435		1.72663	-16.858
5	0.4473	2.47955			-0.0274		0.04081	0.00102	1.72428	-16.908
5	0.4423	2.85789	-0.0007		-0.0275			0.00666	1.85212	-16.524
5	0.4416	3.45377	0.00204	-0.0101	-0.027				1.77527	-16.157
5	0.3949	3.19208	0.00566	-0.0185	-0.0201	0.08246				-9.2658
5	0.3939	2.37447		-0.0089	-0.0171	0.08027	0.05818			-9.2803
5	0.3938	2.22105			-0.0185	0.07598	0.07623	-0.0093		-10.296
5	0.3887	2.12712	0.0015		-0.0199	0.07596	0.04598			-10.282
5	0.3769	3.0473		-0.0064	-0.0173	0.08502		0.00245		-8.4302
5	0.3768	2.8387	0.00173		-0.0199	0.0805		-0.0007		-9.5097
5	0.2982	3.46821	0.00875	-0.0262	-0.0143		0.10106			-10.753
5	0.2843	3.24428	0.00365		-0.0146		0.11682	-0.0144		-11.504
5	0.2767	3.52814	0.00385	-0.0295	-0.0186	0.08207		0.00938		
5	0.2731	3.49476		-0.021	-0.0186	0.07623		0.00836	0.2534	
5	0.2731	1.78089		-0.0235		0.03944	0.06728		0.26407	-10.535
5	0.2718	3.46323	0.00296	-0.0251	-0.0187	0.07926	0.02858			
5	0.269	1.83744	0.00102	-0.0247		0.0485	0.07064			-9.5992
5	0.269	3.43512		-0.0188	-0.0171	0.08251	0.01099	0.0054		
5	0.2687	1.85102		-0.0212		0.04913	0.07365	-0.002		-9.5799
5	0.2685	3.53775		0.00019	-0.0109		0.11772	-0.0131		-10.308
5	0.2681	3.79271	0.00219	-0.0215	-0.0192	0.07891			0.10221	
5	0.2678	3.4968		-0.0179	-0.0182	0.0773	0.02104		0.1319	
5	0.2589	2.33219		-0.0247		0.04092		0.00936	0.38654	-9.8231
5	0.2509	2.59373	-0.0017	-0.0155		0.04253			0.34877	-9.7955
5	0.2498	2.52697	0.00069	-0.0231		0.05508		0.00742		-8.3566
5	0.2494	4.75232	0.00777	-0.0199	-0.0133			0.00621		-9.0449
5	0.2484	1.6392	-0.0052			0.03589	0.04232		0.37781	-10.823
5	0.2483	2.21744		-0.0226			0.0697	0.00152	0.65374	-12.058
5	0.2482	2.2183	-0.0004	-0.0211			0.07294		0.65114	-12.098
5	0.2466	1.69005	-0.0039			0.04641	0.0712	-0.0085		-10.013
5	0.2435	3.32195	-0.0027		-0.0192	0.07514		0.00091	0.15128	
5	0.2434	3.36276	-0.0027		-0.0191	0.07542	-4E-05		0.14336	
5	0.2421	3.31063	-0.0023		-0.0184	0.079	0.00376	-0.0002		
5	0.2388	2.16417	-0.0053			0.03821		0.00199	0.42958	-10.277
5	0.2353	3.25539			-0.0206	0.07581	-0.0011	-0.0005	0.00528	
5	0.2325	2.82065	-0.001	-0.0208				0.01022	0.82304	-11.401

5	0.2295	2.06167	-0.0047				0.06551	-0.0049	0.66598	-12.347
5	0.224	1.32313				0.03573	0.07399	-0.0107	-0.0528	-11.288
5	0.2152	2.72603	0.00295	-0.0219			0.10389	-0.0054		-10.321
5	0.1744	4.72676	0.00255	-0.0274	-0.0173			0.01241	0.74311	
5	0.171	4.71421		-0.0207	-0.0166			-0.001	0.01111	0.80007
5	0.1643	4.70414	0.00191	-0.0215	-0.0165			0.03406		0.58522
5	0.1558	2.88466		-0.0279		0.06664	0.02975	0.00448		-0.3752
5	0.1544	2.88063	5E-06	-0.0262		0.0673	0.0418			-0.4355
5	0.1527	3.11009	-0.0001	-0.0279		0.0665		0.00837		-0.2976
5	0.1465	2.95181	-0.0014	-0.0284		0.05538	0.00994	0.00866		
5	0.1445	4.55539	-0.003		-0.0171			-0.0035	0.00426	0.71775
5	0.1387	4.7524	0.00494	-0.0266	-0.0124			0.04892	0.00327	
5	0.1237	2.75964	-0.0056			0.06485	0.02391	-0.0035		-0.3807
5	0.0767	4.00782	-0.0002	-0.0265				0.0281	0.00692	0.16847
6	0.4841	2.20609		-0.0105	-0.026	0.04221	0.04818			1.3631
6	0.4822	2.51258		-0.0127	-0.0267	0.04261		0.00969	1.51069	-14.518
6	0.4755	2.86227	0.00255	-0.0134	-0.0273	0.04587			1.32969	-14.456
6	0.4734	2.04862	-0.0005		-0.0274	0.0402	0.03589		1.35602	-15.337
6	0.4732	2.022			-0.0277	0.0401	0.03625	-0.0002	1.33533	-15.418
6	0.4694	2.35159	-0.0007		-0.0278	0.04101		0.00483	1.44523	-15.025
6	0.4619	2.6386	0.0035	-0.0177	-0.0267		0.06381		1.65592	-16.686
6	0.4595	3.04094	0.00353	-0.0208	-0.0275			0.01317	1.85866	-16.215
6	0.458	2.68383		-0.0113	-0.026		0.0386	0.00604	1.82909	-16.402
6	0.4475	2.50274	-0.0004		-0.0271		0.04002	0.00135	1.74455	-16.841
6	0.4218	2.27532	0.00707	-0.0265	-0.0202	0.07616	0.07324			-10.404
6	0.3997	3.01061	0.00655	-0.0241	-0.02	0.08268		0.00677		-9.1273
6	0.3978	2.11349	0.00185		-0.0201	0.0735	0.07711	-0.0101		-10.909
6	0.3975	2.33624		-0.0065	-0.0174	0.07826	0.0764	-0.0068		-9.774
6	0.3031	3.40135	0.00805	-0.0218	-0.0146		0.12041	-0.008		-11.22
6	0.2788	3.50592	0.00332	-0.0297	-0.0195	0.0772		0.0102	0.176	
6	0.2771	3.44412	0.00383	-0.0297	-0.0187	0.08115	0.01011	0.00823		
6	0.2731	3.51851		-0.0211	-0.0186	0.07624	-0.003	0.00876	0.2624	
6	0.2731	1.78335		-0.0237		0.03938	0.06525	0.00074	0.27288	-10.518
6	0.2731	1.78247	-0.0001	-0.0232		0.03942	0.06701		0.26849	-10.536
6	0.2719	3.47669	0.0028	-0.0248	-0.0189	0.07824	0.02743		0.04012	
6	0.2692	1.8309	0.0009	-0.0239		0.04814	0.07409	-0.0014		-9.6803
6	0.2591	2.33209	-0.0007	-0.0227		0.04076		0.00896	0.41097	-9.8453
6	0.2513	1.64165	-0.0048			0.03681	0.06142	-0.006	0.30268	-10.927
6	0.2483	2.22089	-0.0003	-0.0218			0.0692	0.00141	0.66436	-12.06
6	0.2436	3.36254	-0.0028		-0.0192	0.07516	-0.0051	0.00159	0.16754	
6	0.1744	4.70986	0.00256	-0.0274	-0.0172		0.00213	0.01214	0.73627	
6	0.1558	2.88165	0.0002	-0.0284		0.06667	0.03008	0.00455	-0.3825	
7	0.4917	2.16634	0.00384	-0.0199	-0.027	0.04317	0.0572		1.24891	-15.03
7	0.4899	2.52051	0.00387	-0.0228	-0.0278	0.04357		0.01184	1.42701	-14.593
7	0.486	2.22677		-0.0124	-0.0262	0.04179	0.03363	0.00525	1.43391	-14.801
7	0.4734	2.04872	-0.0005		-0.0274	0.04017	0.0353	0.00018	1.3587	-15.336
7	0.4657	2.65865	0.0039	-0.0214	-0.0271		0.04369	0.00756	1.74142	-16.552
7	0.4223	2.26302	0.00684	-0.0249	-0.0203	0.07548	0.08015	-0.0028		-10.568
7	0.2788	3.49783	0.00333	-0.0298	-0.0195	0.0772	0.00102	0.01007	0.17273	
7	0.2731	1.78439	-8E-05	-0.0235		0.03937	0.06512	0.00072	0.27571	-10.519
8	0.4948	2.18972	0.00419	-0.0233	-0.0274	0.0427	0.039	0.00686	1.33102	-14.927

MULTIVARIATE  
SURFACE WATER  
LOG Mosquitofish THg vs LOG Y  
POOLED STATIONS

LAG 0

NUM IN MODEL	RSquare	Intercept	LALK_0	LCA_0	LCL_0	LDOC_0	LSIO2_0	LSO4_0	LTKN_0	LTPO4_0
8	0.4917	-3.7028	0.33346	0.04498	-2.1861	0.20593	-0.4638	1.69672	2.11908	-1.1448
7	0.4902	-3.6119	0.36631	0.04451	-2.0719		-0.3937	1.68101	2.01735	-1.1234
7	0.4902	-2.7049		0.04288	-2.0225	0.22646	-0.4574	1.73003	2.2265	-1.1115
7	0.4892	-4.5516	0.32543	0.045	-2.1414	0.15111		1.60654	1.99918	-1.1331
6	0.4885	-2.4948		0.04213	-1.8778		-0.3788	1.71623	2.12527	-1.0841
6	0.4884	-4.3839	0.35147	0.04464	-2.0593			1.60496	1.93527	-1.1181
6	0.4878	-3.5659		0.04295	-1.9823	0.17189		1.64028	2.10567	-1.1007
5	0.4867	-3.2823		0.04235	-1.8732			1.64157	2.04196	-1.0805
6	0.4615	-7.7681	0.68659	0.04283	-1.1018		-0.1494	1.52227		-0.9931
7	0.4615	-7.7635	0.68684	0.04282	-1.1008	-0.0032	-0.1485	1.52216		-0.9929
5	0.4612	-8.0028	0.67574	0.04291	-1.1123			1.49518		-0.9931
6	0.4612	-7.9696	0.67751	0.04287	-1.1064	-0.0175		1.49541		-0.9919
7	0.4553	-6.5566	-0.2946	0.02795		-0.0679	-0.3268	1.61187	0.85264	-0.857
6	0.4551	-6.6416	-0.3179	0.0278			-0.3492	1.61587	0.86525	-0.8593
5	0.455	-6.0086		0.03797	-0.6181		-0.0945	1.57483		-0.9021
6	0.455	-6.0393		0.03802	-0.625	0.01845	-0.0998	1.5754		-0.9037
4	0.4549	-6.1755		0.03807	-0.6296			1.55707		-0.903
5	0.4549	-6.1942		0.03809	-0.6331	0.0086		1.55687		-0.9038
6	0.454	-7.1169	-0.2912	0.02821		-0.1028		1.54917	0.78597	-0.8529
6	0.454	-7.8024		0.02879		-0.1101	-0.3229	1.57109	0.64471	-0.8691
5	0.4536	-7.3104	-0.3273	0.028				1.54872	0.79861	-0.856
5	0.4535	-8.1151		0.02865			-0.3604	1.57241	0.63821	-0.8746
5	0.4528	-8.3419		0.02904		-0.1441		1.5096	0.58121	-0.8649
4	0.4519	-8.8515		0.02889				1.50169	0.56237	-0.8717
6	0.4483	-8.0692	0.08596	0.03155		-0.1098	-0.1854	1.5361		-0.8518
5	0.4482	-7.6956		0.03156		-0.0961	-0.1723	1.54561		-0.8462
5	0.4479	-8.3287	0.07049	0.03154		-0.1283		1.50278		-0.8497
5	0.4479	-8.2443	0.05719	0.03139			-0.2184	1.54079		-0.8554
4	0.4478	-7.9699		0.03142			-0.2065	1.54698		-0.8511
4	0.4478	-8.0033		0.03155		-0.1159		1.51261		-0.8451
3	0.4473	-8.4248		0.03136				1.50613		-0.8511
4	0.4473	-8.5955	0.03249	0.03135				1.50127		-0.8535
7	0.391	-2.5832	-0.7505		0.10445	0.05619	-0.4726	1.68082	1.78125	-0.6075
6	0.3909	-2.5614	-0.7384		0.12935		-0.4533	1.67655	1.75424	-0.6031
6	0.3909	-2.3236	-0.7333			0.07339	-0.4837	1.68707	1.87142	-0.6141
5	0.3907	-2.2058	-0.7105				-0.4602	1.68314	1.86364	-0.6102
5	0.3884	-3.4472	-0.7592		0.15115			1.58893	1.65881	-0.5953
6	0.3884	-3.4475	-0.7592		0.15104	0.00026		1.58893	1.65892	-0.5953
4	0.3881	-3.0464	-0.7268					1.59508	1.78528	-0.6035
5	0.3881	-3.0978	-0.7344			0.02347		1.5949	1.78649	-0.6046
5	0.3824	-5.1115			-0.0543		-0.4967	1.59133	1.46103	-0.6307
5	0.3824	-5.2368				-0.0254	-0.4859	1.58668	1.40995	-0.6264
6	0.3824	-5.0924			-0.046	-0.0168	-0.4907	1.59047	1.45439	-0.6293



4	0.3823	-5.3121					-0.4944	1.58697	1.40757	-0.628
7	0.3823	-3.5992	0.82893	0.04452	-1.8574	0.06002	0.60836		1.32986	-1.2511
6	0.3822	-3.5729	0.83722	0.04438	-1.8248		0.62603		1.30216	-1.2445
4	0.3796	-6.0186				-0.0757		1.49396	1.32398	-0.6169
5	0.3796	-6.0204			0.00063	-0.0758		1.49392	1.32338	-0.6169
4	0.3794	-6.1635			-0.036			1.49242	1.34713	-0.623
3	0.3793	-6.2934						1.48984	1.31198	-0.6212
6	0.3774	-2.3218	0.88031	0.04445	-1.898	0.1304			1.44643	-1.277
5	0.3768	-2.1791	0.90232	0.04414	-1.8273				1.39173	-1.2639
6	0.3731	-1.0388		0.03912	-1.422	0.10523	0.67869		1.56524	-1.1712
5	0.3727	-0.9469		0.03879	-1.3567		0.71115		1.52046	-1.1582
6	0.3699	-6.2561	1.02628	0.04314	-1.1712	-0.0666	0.74214			-1.1448
5	0.3698	-6.3509	1.02142	0.04327	-1.1925		0.72486			-1.1499
6	0.3695	-6.0682	-0.4073		0.93086	-0.1148	-0.2052	1.53361		-0.5006
5	0.369	-6.2281	-0.4221		0.90438		-0.2379	1.53798		-0.5065
5	0.369	-6.3504	-0.4218		0.92627	-0.1348		1.49667		-0.4984
4	0.3683	-6.5978	-0.4425		0.89342			1.49484		-0.5051
5	0.3669	0.57493		0.03867	-1.4373	0.18747			1.71261	-1.1947
5	0.3667	-7.1757			0.75195	-0.1395	-0.245	1.49609		-0.5251
4	0.366	-7.4207			0.71157		-0.2868	1.49977		-0.5334
4	0.366	-7.5627			0.73872	-0.1646		1.45006		-0.5236
4	0.3657	0.88773		0.03801	-1.3178				1.64278	-1.1727
3	0.365	-7.9413			0.68685			1.44499		-0.5333
4	0.3624	-4.9431	1.11245	0.04289	-1.1446					-1.165
5	0.3624	-4.9568	1.1117	0.04291	-1.147	0.00711				-1.1655
6	0.3558	-6.0467	0.27007	0.02996		-0.1682	0.67974		0.27948	-1.0002
4	0.3552	-3.6145		0.03594	-0.4653		0.85367			-1.0204
5	0.3552	-3.5544		0.03585	-0.4515	-0.0372	0.86365			-1.0172
5	0.3551	-6.5668	0.38989	0.03115		-0.1807	0.71161			-0.9962
5	0.3548	-6.2548	0.21572	0.0296			0.63045		0.30729	-1.0067
5	0.3547	-4.8338		0.02919		-0.13	0.70048		0.46584	-0.992
4	0.354	-5.2001		0.02902			0.65718		0.45799	-0.9986
4	0.3539	-6.8482	0.34395	0.03088			0.66168			-1.0027
4	0.3516	-4.7912		0.0312		-0.1196	0.79771			-0.9739
4	0.3513	-4.8104	0.1105				-0.1654	1.51509		-0.5189
5	0.3513	-4.8317	0.1073			0.01212	-0.1691	1.51563		-0.5195
3	0.3511	-5.1294		0.03101			0.7563			-0.9803
3	0.351	-4.275					-0.1424	1.52703		-0.5102
4	0.351	-4.3636				0.02919	-0.1529	1.52748		-0.5122
3	0.3509	-5.0805	0.09172					1.48517		-0.5178
4	0.3509	-5.0696	0.09318			-0.0049		1.48523		-0.5176
2	0.3507	-4.5933						1.49887		-0.5105
3	0.3507	-4.6378				0.01159		1.49822		-0.5113
5	0.3497	-4.6757	0.31393	0.02953		-0.0949			0.38432	-1.023
4	0.3493	-4.855	0.28041	0.02933					0.39609	-1.0259
4	0.3482	-5.3137	0.48453	0.03116		-0.1077				-1.0189
4	0.3481	-3.21		0.02861		-0.0477			0.60577	-1.0143
3	0.348	-3.3882		0.02856					0.59947	-1.0163
3	0.3477	-5.5403	0.45229	0.031						-1.022
4	0.3449	-1.7562		0.03486	-0.3522	0.05274				-1.0291
3	0.3448	-1.638		0.03471	-0.3303					-1.0246
2	0.3427	-2.9159		0.0312						-0.9948

3	0.3427	-2.8463		0.03123		-0.0181				-0.994
6	0.2837	-2.4919	-0.2487		0.40701	-0.0869	0.58973	1.00276		-0.7182
5	0.2834	-2.5255	-0.2656		0.36948		0.56389	1.0417		-0.7254
5	0.2827	-3.3561			0.34972	-0.1093	0.56388	0.90478		-0.7236
4	0.2823	-3.4741			0.29668		0.52853	0.94616		-0.7334
5	0.2816	-1.468	-0.1735			-0.0212	0.5615	1.34656		-0.7461
4	0.2815	-1.5016	-0.1797				0.5554	1.34846		-0.7473
4	0.2811	-2.2026				-0.0443	0.54556	1.23993		-0.7472
3	0.281	-2.3331					0.53105	1.23572		-0.75
4	0.279	-1.2745	-0.2015		0.35644			1.1237		-0.7454
5	0.279	-1.2552	-0.1973		0.36427	-0.0184		1.11624		-0.7441
3	0.2784	-2.0658			0.30098			1.04614		-0.7506
4	0.2784	-1.9905			0.3199	-0.0388		1.03383		-0.7476
3	0.2773	-0.3044	-0.1196					1.4186		-0.7663
4	0.2773	-0.3875	-0.1319			0.0377		1.42061		-0.7681
2	0.277	-0.9013						1.34039		-0.7675
3	0.277	-0.9731				0.01875		1.3374		-0.7685
5	0.2766	-4.5365	-0.0735		0.87525	-0.1796	0.69181			-0.65
4	0.2765	-4.7474			0.84254	-0.1839	0.68044			-0.6538
4	0.2754	-4.7803	-0.0952		0.8335		0.64461			-0.6598
3	0.2753	-5.0628			0.78957		0.62832			-0.6651
3	0.2701	-3.2961			0.89286	-0.1094				-0.6712
4	0.2701	-3.3336	0.01173		0.88751	-0.1103				-0.6717
2	0.2696	-3.5581			0.85796					-0.6773
3	0.2696	-3.5391	-0.0056		0.86066					-0.677
5	0.2614	-2.5057	-1.2209	-0.0034	1.28323	-0.4158		2.02506		
6	0.2614	-2.4572	-1.2192	-0.0034	1.28508	-0.4126	-0.034	2.0313		
6	0.2614	-2.5693	-1.2115	-0.0033	1.29377	-0.4175		2.02223	-0.0303	
7	0.2614	-2.5118	-1.212	-0.0033	1.29316	-0.4142	-0.0307	2.02847	-0.0238	
4	0.2604	-3.39	0.40696			-0.0595	0.71585			-0.6661
3	0.2603	-3.492	0.39171				0.69931			-0.6692
5	0.2603	-2.5936	-1.1586		1.19516	-0.4352		2.05424	-0.1231	
6	0.2603	-2.5953	-1.1586		1.19521	-0.4353	0.00094	2.05404	-0.1233	
4	0.2601	-2.3201	-1.1948		1.14072	-0.4294		2.06934		
5	0.2601	-2.2985	-1.194		1.14112	-0.4281	-0.0148	2.07218		
2	0.2567	-1.5176					0.80732			-0.642
3	0.2567	-1.5313				0.00454	0.80573			-0.6423
5	0.2552	-2.914	-1.3124	-0.004	1.22385		-0.1499	2.06288		
6	0.2552	-2.6581	-1.3435	-0.0043	1.18834		-0.1629	2.07515	0.10773	
4	0.2549	-3.1495	-1.3233	-0.0039	1.21336			2.03571		
5	0.2549	-2.9803	-1.3464	-0.0041	1.18719			2.04282	0.0774	
2	0.2535	-2.0962	0.50642							-0.6882
3	0.2535	-2.1281	0.50217			0.01406				-0.6888
4	0.2534	-2.7444	-1.2863		1.04863		-0.132	2.11328		
5	0.2534	-2.7763	-1.2828		1.05412		-0.1306	2.11145	-0.0129	
3	0.2532	-2.9552	-1.2964		1.04232			2.08843		
4	0.2532	-3.0331	-1.2868		1.05698			2.08433	-0.034	
2	0.2476	0.43628				0.10717				-0.6622
1	0.2471	0.86921								-0.6554
6	0.2402	0.59716	-0.9758	0.0015		-0.2979	-0.0584	2.19435	0.69385	
5	0.2401	0.49054	-0.9746	0.00157		-0.304		2.18261	0.68203	
5	0.2399	0.75862	-0.9938			-0.2828	-0.0754	2.18777	0.77172	

4	0.2398	0.62879	-0.9933				-0.2898	2.17199	0.76099	
4	0.2393	-6.548			1.02009		-0.578	1.93269	-0.7456	
5	0.2393	-6.567		-0.0004	1.03112		-0.5767	1.92812	-0.7378	
5	0.2393	-6.5465			1.02004		-0.578	-0.0008	1.93287	-0.7455
6	0.2393	-6.5585		-0.0004	1.03101		-0.5762	-0.0047	1.92907	-0.7368
4	0.2369	0.36769	-1.0911					-0.1585	2.21599	0.77493
5	0.2369	0.30405	-1.0867	0.00052				-0.1541	2.21881	0.74781
3	0.2366	0.0663	-1.0953						2.18341	0.75192
4	0.2366	-0.0033	-1.0896	0.00066					2.18811	0.71855
4	0.2355	-0.5865	-0.6583	0.00455			-0.3254		2.14025	
5	0.2355	-0.6702	-0.6624	0.00456			-0.3309	0.05558	2.12977	
5	0.2342	-5.4069		-0.0018	0.66683		-0.5507	-0.125	2.01359	
4	0.234	-5.6008		-0.0017	0.65688		-0.5631		1.99045	
4	0.2338	-5.2867			0.59513		-0.5576	-0.1134	2.03614	
3	0.2336	-5.4687			0.58922		-0.5686		2.01405	
3	0.2325	-0.536	-0.5917				-0.282		2.08248	
4	0.2325	-0.5941	-0.5944				-0.2857	0.0387	2.07503	
3	0.2315	-1.1792	-0.7637	0.00374					2.14372	
4	0.2315	-1.109	-0.7594	0.00374				-0.0417	2.15154	
2	0.2294	-1.07	-0.6957						2.09463	
3	0.2294	-0.9948	-0.6911					-0.0447	2.10306	
5	0.2269	-7.409		-0.0013	0.8374		-0.1927	1.9812	-0.6582	
4	0.2268	-7.3785			0.80003		-0.1821	1.994	-0.6854	
4	0.2265	-7.8021		-0.0011	0.83518			1.94271	-0.696	
3	0.2263	-7.757			0.80292			1.95564	-0.7177	
4	0.2253	-3.3226		0.00298			-0.4544	-0.0378	2.08445	
4	0.2253	-3.3788		0.00316			-0.4567		2.0765	-0.0318
5	0.2253	-3.3231		0.00312			-0.4534	-0.0319	2.08284	-0.0258
3	0.2252	-3.3914		0.00299			-0.4586		2.07706	
3	0.2241	-3.2472					-0.4336		2.05046	0.10248
4	0.2241	-3.1332					-0.4274	-0.0672	2.06446	0.11176
2	0.2239	-3.1638					-0.4199		2.04209	
3	0.2239	-3.0866					-0.4152	-0.0427	2.05052	
4	0.2228	-6.3415		-0.0025	0.51823		-0.2932	2.05499		
3	0.2221	-6.1899			0.41541		-0.28	2.08723		
3	0.2217	-6.8619		-0.0024	0.486			2.00126		
2	0.2211	-6.6984			0.39132			2.03364		
4	0.2173	-4.5184		0.00185			-0.1819	2.10191	-0.0708	
3	0.2172	-4.524		0.00145			-0.1989	2.10644		
2	0.2169	-4.3514					-0.1944	2.08824		
3	0.2169	-4.3619					-0.198	2.09012	0.01398	
3	0.2169	-4.8966		0.00201				2.06528	-0.108	
2	0.2167	-4.9625		0.0014				2.06703		
1	0.2164	-4.7861						2.05033		
2	0.2164	-4.7616						2.04877	-0.0185	
6	0.1021	-2.251	-0.7834	-0.0093	2.08681		-0.662	1.32386		-1.2271
5	0.0932	-2.4818	-0.6142		1.83379		-0.7316	1.46387		-1.5569
5	0.0928	-4.9213		-0.0072	1.88878		-0.7606	1.29728		-1.6573
5	0.0896	0.80504	-1.1521	-0.0129	1.69954		-0.59	1.24335		
4	0.0871	-4.6398			1.71774		-0.7998	1.41585		-1.8501
5	0.0863	-2.4783	-0.9806	-0.0111	1.94654			1.16004		-1.0588
5	0.0782	0.66034	-0.7433	-0.012	2.17836		-0.5384			-1.0852

4	0.0768	0.22037	-1.2847	-0.014	1.62067		1.10513	
4	0.0734	-2.7864	-0.801		1.62265		1.30857	-1.4365
4	0.071	-5.9949		-0.0087	1.66186		1.09375	-1.5858
4	0.0706	1.71105	-1.0445		1.15187	-0.6669	1.42485	
4	0.0698	-1.9313		-0.0099	1.98854	-0.6343		-1.4965
4	0.0683	3.22445	-1.0738	-0.015	1.82849	-0.4809		
4	0.0675	0.1712	-0.9116	-0.0132	2.05216			-0.9597
4	0.0653	-2.0104		-0.0113	1.11166	-0.7191	1.14681	
4	0.063	0.76226	-0.514		1.85665	-0.613		-1.5014
3	0.0628	-5.721			1.44045		1.22468	-1.8149
3	0.0596	2.51402	-1.1914	-0.0157	1.75092			
3	0.0587	-1.1427			1.75839	-0.6737		-1.7496
3	0.0542	-3.2523		-0.0108	1.78082			-1.4569
3	0.0541	1.13372	-1.1854		1.00649		1.28508	
3	0.0504	-0.9699			0.67301	-0.7768	1.3164	
3	0.0489	0.20914	-0.6823		1.67456			-1.4038
3	0.0471	0.41042		-0.0134	1.26827	-0.6098		
3	0.0458	-3.1468		-0.0125	0.9284		0.9601	
5	0.044	3.06739	-0.3226	-0.002		-0.4988	1.46498	-0.175
4	0.0437	3.41832	-0.3996	-0.0028		-0.4917	1.44688	
4	0.0435	2.86132	-0.2959			-0.5199	1.4939	-0.2827
3	0.0425	3.43702	-0.4391			-0.5235	1.48081	
4	0.0423	1.6829		-0.0014		-0.5486	1.44755	-0.4062
3	0.0421	1.61808				-0.5605	1.46904	-0.4688
3	0.042	4.72608	-0.9319		1.19783	-0.5537		
2	0.0411	-2.4797			1.51501			-1.7309
3	0.0399	1.75176		-0.0037		-0.5648	1.37208	
2	0.0378	1.55488				-0.6174	1.40786	
4	0.0348	2.61933	-0.4974	-0.0037			1.33219	-0.1003
3	0.0347	2.82533	-0.5404	-0.0042			1.32284	
3	0.0332	2.1852	-0.4601				1.37721	-0.302
2	0.0327	-0.9205		-0.0141	1.08674			
2	0.032	2.79541	-0.6144				1.36232	
3	0.0306	0.28966		-0.003			1.2822	-0.465
2	0.0304	3.98893	-1.0602		1.07128			
2	0.0295	0.07804					1.32194	-0.6071
2	0.0275	-2.0885			0.42288		1.13246	
2	0.0274	0.32137		-0.0057			1.1898	
2	0.0258	2.10791			0.76392	-0.6603		
1	0.0221	-0.215					1.22035	
3	0.0145	6.50283	-0.2401	-0.0044		-0.3545		
4	0.0145	6.56365	-0.2555	-0.0046		-0.3534		0.03407
3	0.0135	5.43143		-0.0041		-0.3943		-0.1514
2	0.0131	5.38265		-0.0049		-0.4036		
3	0.0121	6.24082	-0.1895			-0.3962		-0.2098
2	0.0115	6.64704	-0.2967			-0.3997		
2	0.0115	5.40356				-0.4237		-0.3305
3	0.0098	6.00697	-0.3871	-0.0056				0.07465
2	0.0097	5.86964	-0.3541	-0.0053				
1	0.0093	5.24592				-0.4684		
1	0.0089	0.76337			0.53572			
2	0.0072	4.07885		-0.005				-0.2167

1	0.0065	3.96188		-0.0063	
2	0.006	5.5108	-0.3235		-0.2292
1	0.0053	5.94784	-0.442		
1	0.0042	3.91657			-0.4484

## LAG 1

NUM	RSquare	Intercept	LALK_1	LCA_1	LCL_1	LDOC_1	LSIO2_1	LSO4_1	LTKN_1	LTPO4_1
IN MODEL										
7	0.5614	-3.3077	0.68332	0.01059	0.58848	-1.22518		-0.83863	2.27295	-1.1948
8	0.5614	-3.14998	0.68349	0.01063	0.56012	-1.23081	-0.03062	-0.82726	2.31603	-1.1963
7	0.5585	-2.21814	0.76325	0.01063		-0.85941	-0.12965	-0.75731	2.40885	-1.18772
6	0.5575	-2.77784	0.78282	0.01045		-0.73567		-0.7969	2.21448	-1.17789
7	0.5566	-1.86148		0.01157	0.66763	-0.73924	-0.0298	-0.7817	2.32079	-1.17449
6	0.5565	-2.01531		0.01153	0.69521	-0.73388		-0.79277	2.27885	-1.17303
6	0.5562	-4.08977	0.38942	0.01021	0.27438			-0.84955	1.87246	-1.16562
7	0.5562	-4.0156	0.38886	0.01023	0.26004		-0.01473	-0.84411	1.89231	-1.16628
6	0.5555	-3.35492	0.48226	0.01029			-0.07223	-0.80255	2.01451	-1.16654
5	0.5551	-3.59057	0.51798	0.01022				-0.82224	1.93264	-1.16251
5	0.5543	-2.98375		0.01096	0.43462			-0.81496	1.98713	-1.15869
6	0.5543	-2.89249		0.01098	0.41629		-0.01853	-0.80817	2.01188	-1.15953
6	0.5523	-0.54202		0.0117		-0.21648	-0.15042	-0.68992	2.43463	-1.16093
5	0.5521	-1.15171		0.01145			-0.1278	-0.71428	2.29425	-1.15699
4	0.551	-1.28768		0.01147				-0.73894	2.1795	-1.1481
5	0.551	-1.14403		0.01153		-0.0531		-0.73404	2.20896	-1.14867
6	0.5392	-3.58518	0.96187		0.54414	-1.03568		-0.79604	1.6488	-1.06142
7	0.5392	-3.6739	0.96126		0.56027	-1.03284	0.01732	-0.80255	1.62557	-1.06081
6	0.5362	-2.74183	1.04105			-0.66134	-0.08173	-0.73257	1.71839	-1.05222
5	0.5358	-3.09137	1.05057			-0.58491		-0.75794	1.60229	-1.0474
6	0.5355	-4.38804	0.70366		0.30691		0.02921	-0.81756	1.28982	-1.03978
5	0.5354	-4.24147	0.7035		0.27849			-0.80664	1.3275	-1.04071
5	0.5344	-3.61024	0.81647				-0.03839	-0.76825	1.42955	-1.03911
4	0.5343	-3.73492	0.83422					-0.77888	1.38816	-1.03745
6	0.5293	-1.8618			0.71712	-0.29026	0.02469	-0.7329	1.54358	-1.01155
5	0.5292	-1.73366			0.69426	-0.29364		-0.72356	1.57663	-1.01237
4	0.5289	-2.13869			0.58684			-0.73411	1.47063	-1.00973
5	0.5289	-2.27944			0.61429		0.02814	-0.74462	1.43435	-1.00882
5	0.5243	-0.44332				0.27732	-0.1043	-0.63363	1.65629	-0.99494
4	0.5239	0.38119					-0.13344	-0.59916	1.82276	-0.99539
4	0.5237	-0.86364				0.38609		-0.66493	1.50702	-0.98809
3	0.5227	0.24193						-0.62472	1.70211	-0.98581
7	0.522	-8.90163	0.69494	0.00502	0.86118	0.47022	0.4573	-0.91772		-1.03673
6	0.521	-8.99707	0.84667	0.0047	1.04278		0.49482	-0.91757		-1.03715
6	0.517	-7.60352		0.00596	0.97112	0.97359	0.45915	-0.87158		-1.01422
6	0.5161	-8.23471	0.8486		0.81099	0.29708	0.40269	-0.88877		-0.98749
5	0.5157	-8.324	0.94042		0.93056		0.42922	-0.88987		-0.98979
6	0.5149	-7.79958	0.82098	0.00466		1.16092	0.33242	-0.81349		-1.01319
5	0.5113	-7.0956		0.00565	1.52669		0.56163	-0.84395		-1.00208
5	0.5098	-7.23698	0.95756			0.96173	0.28823	-0.79214		-0.96851
5	0.5084	-6.4212			0.93905	0.89695	0.39197	-0.82306		-0.94702
5	0.5078	-6.05953		0.00575		1.87633	0.31538	-0.7416		-0.98234
6	0.5074	-7.82482	0.70315	0.00353	0.37794	1.02245		-0.71224		-1.00569
7	0.506	3.12155	0.25218	0.00984	-0.33258	-1.49686	-0.53681		2.67189	-1.09513
5	0.5059	-7.3097	1.45876	0.00325			0.37244	-0.73433		-0.99695
5	0.5058	-7.40605	0.76731	0.00356		1.30227		-0.6873		-0.99789
6	0.5054	3.48204		0.01021	-0.27269	-1.30336	-0.52584		2.66622	-1.08892

6	0.5048	2.84603	0.17242	0.00979		-1.76717	-0.49823	2.62885	-1.09514
5	0.5045	3.14336		0.01007		-1.59159	-0.49531	2.63036	-1.09064
5	0.5044	-7.43212	0.81453		0.38343	0.84803	-0.70903		-0.97248
4	0.5035	-6.00806			1.45452		0.48999	-0.79983	-0.93902
4	0.5033	-6.95771	1.47873				0.33488	-0.72862	-0.96614
4	0.5027	-7.00412	0.88051			1.13057		-0.6837	-0.96429
5	0.5023	-6.50689		0.00448	0.4872	1.53406		-0.66471	-0.98279
5	0.5021	-7.84187	1.06987	0.00247	0.71952			-0.67131	-1.00058
4	0.5005	-7.55051	1.10583		0.68065			-0.67408	-0.97676
4	0.4997	-4.96681				1.77351	0.25507	-0.69888	-0.91845
4	0.4995	-5.79319		0.00463		1.96637		-0.62595	-0.96969
6	0.4983	2.22017	-0.11845	0.00933	-0.72135		-0.53	2.16315	-1.05594
5	0.4981	1.94356		0.00907	-0.78522		-0.53585	2.12831	-1.0566
4	0.4972	-5.71006			0.51741	1.41034		-0.65048	-0.93398
4	0.4943	-6.79442	1.48603	0.0018				-0.57989	-0.9773
3	0.4941	-4.92196				1.86598		-0.60872	-0.91829
3	0.4935	-6.62061	1.49601					-0.5856	-0.9606
5	0.4911	1.01513	-0.52176	0.00895			-0.42054	1.79223	-1.03653
5	0.4877	1.51474	0.12132	0.00881		-1.42283		1.80342	-1.02892
6	0.4877	1.49779	0.11387	0.00881	0.03268	-1.45201		1.80547	-1.02943
4	0.4876	1.7298		0.00901		-1.30049		1.80788	-1.02602
5	0.4876	1.67756		0.00899	0.05662	-1.36407		1.81096	-1.02721
6	0.4869	2.4617	0.52182		-0.3077	-1.30583	-0.4783	2.0215	-0.97224
4	0.4861	-5.14609		0.00332	1.29637			-0.53128	-0.94817
4	0.486	-1.40204		0.00712			-0.39631	1.36537	-1.02986
5	0.4859	2.20955	0.44683			-1.55684	-0.44285	1.98448	-0.97279
5	0.4839	3.18504			-0.17646	-0.87268	-0.44982	1.95573	-0.94874
4	0.4835	2.96749				-1.06405	-0.43066	1.93889	-0.95114
3	0.4832	-4.6256			1.26982			-0.52866	-0.91331
5	0.481	1.70012	0.18407		-0.65024		-0.47498	1.6043	-0.94341
4	0.4805	2.13851			-0.54025		-0.46268	1.63692	-0.93715
5	0.4804	0.64308	-0.2441	0.00833	-0.34908			1.32245	-0.99221
4	0.4796	0.03		0.00777	-0.47369			1.23044	-0.99212
4	0.4786	0.16678	-0.4485	0.00824				1.21559	-0.98882
4	0.4752	0.62865	-0.19209				-0.37794	1.28918	-0.92999
3	0.4747	-1.88556		0.00669				0.87446	-0.98543
3	0.4744	-0.35959					-0.37138	1.15215	-0.93636
4	0.4722	1.07035	0.37611			-1.26631		1.3007	-0.92431
5	0.4722	1.06033	0.3718		0.01916	-1.28338		1.3018	-0.92459
4	0.4707	1.64517			0.10019	-0.97035		1.28519	-0.90961
3	0.4705	1.73762				-0.85645		1.27806	-0.90713
3	0.4665	0.42867			-0.2968			0.90818	-0.89543
4	0.4665	0.32132	0.04084		-0.31977			0.89664	-0.89658
3	0.4649	-0.11206	-0.14952					0.80306	-0.89446
2	0.4644	-0.8742						0.70258	-0.89992
4	0.4627	-0.34941		0.00399			0.3984	-0.32298	-0.85767
3	0.4587	0.20071					0.35265	-0.30903	-0.81742
6	0.4527	-2.82258	0.21028	0.00315	-0.09386	0.46493	-0.02924		-0.8949
5	0.4526	-2.79872	0.20048	0.00324	-0.07125	0.41847			-0.89484
5	0.4526	-2.87391	0.18769	0.00317		0.37873	-0.02056		-0.89583
4	0.4525	-2.84647	0.18439	0.00323		0.35927			-0.89561
3	0.4522	-2.53562		0.00352		0.55217			-0.8907

4	0.4522	-2.5538		0.00347		0.57121	-0.01709		-0.8908
4	0.4522	-2.50455		0.00353	-0.02956	0.58371			-0.8902
5	0.4522	-2.51137		0.00348	-0.04433	0.62286	-0.02099		-0.89008
4	0.4517	-2.92832	0.36808	0.0028	0.08441				-0.89538
5	0.4517	-2.91794	0.36038	0.00283	0.08586		0.00793		-0.89534
3	0.4516	-2.87788	0.43632	0.0027					-0.89418
4	0.4516	-2.87023	0.43187	0.00273			0.0054		-0.89415
5	0.4503	-2.52055	0.31766		-0.10662	0.35499	-0.05421		-0.86645
4	0.4502	-2.57699	0.29267			0.2563	-0.0445		-0.86732
4	0.4501	-2.45888	0.30485		-0.06434	0.26079			-0.8648
3	0.45	-2.50272	0.29011			0.20764			-0.86555
4	0.4498	-2.28713		0.00333	0.33603		0.05517		-0.88477
2	0.4497	-2.55729	0.43577						-0.86773
3	0.4497	-2.60372	0.45534				-0.02373		-0.86895
3	0.4497	-2.57461	0.40559		0.03731				-0.86785
4	0.4497	-2.61884	0.42662		0.03494		-0.02317		-0.86903
3	0.4495	-2.26234		0.00311	0.36713				-0.88323
3	0.4494	0.34189		0.00245				-0.14933	-0.83383
3	0.4492	-2.00396				0.55415	-0.04249		-0.85463
4	0.4492	-1.97459			-0.02972	0.58875	-0.04515		-0.85408
2	0.449	-1.9378				0.50516			-0.85304
3	0.449	-1.94133			0.00313	0.50184			-0.85311
2	0.4478	0.64405						-0.15317	-0.80975
3	0.4471	-1.78394			0.33006		0.02799		-0.85051
2	0.447	-1.78811			0.34657				-0.85087
3	0.4453	-0.68361		0.00323			0.11859		-0.85421
2	0.4434	-0.26705		0.00269					-0.8437
2	0.4427	-0.22251					0.09109		-0.82146
1	0.4415	0.04853							-0.81746
6	0.1057	2.91921	-0.501	-0.01404		1.4268	0.36282	-0.2591	-1.269
7	0.1057	3.01979	-0.49101	-0.01402	-0.06297	1.4667	0.35129	-0.25164	-1.25558
6	0.1032	2.14763		-0.01505	-0.15112	1.13861	0.35584	-0.27765	-1.30739
5	0.1029	1.85531		-0.01515		1.02356	0.38456	-0.29738	-1.34315
6	0.1003	4.87812	-0.59831	-0.0136	-0.33446	1.30697	0.17725		-1.04293
6	0.0996	4.94883	-0.50623	-0.01398	-0.40273	1.44066		-0.11075	-0.8058
5	0.0991	4.60106	-0.67853	-0.01365		1.03518	0.21606		-1.08628
5	0.0981	5.49857	-0.56698	-0.01374	-0.46556	1.35124			-0.81201
6	0.0979	4.30659	-0.15664	-0.0143	0.29572		0.34334	-0.21218	-0.83429
5	0.0977	4.65926	-0.58778	-0.01413		1.12393		-0.13278	-0.79535
5	0.0976	3.87003		-0.01466	0.23235		0.34573	-0.22529	-0.88925
4	0.0969	4.8343		-0.01437			0.28423	-0.17354	-0.72795
5	0.0969	5.0601	-0.05056	-0.01423			0.27805	-0.16476	-0.69601
5	0.0968	4.07509		-0.01505	-0.4982	1.10192		-0.13569	-0.85322
5	0.0964	4.03027		-0.01483	-0.47934	0.87737	0.1605		-1.08013
4	0.0955	5.28358	-0.6787	-0.01386		0.95214			-0.80101
4	0.0946	4.63529		-0.0149	-0.59175	0.93812			-0.86821
5	0.094	5.78053	-0.27992	-0.01391	0.02932		0.19479		-0.69123
4	0.0939	5.83317	-0.26333	-0.01392			0.1908		-0.67803
4	0.0939	3.52161		-0.01545		0.62436		-0.16919	-0.84961
4	0.0937	3.43573		-0.01516		0.37617	0.21614		-1.15368
4	0.0929	5.13157		-0.01455	-0.12064		0.18202		-0.77787
3	0.0926	4.59365		-0.01476			0.20108		-0.88611



4	0.092	6.09673	-0.19763	-0.01427				-0.07905	-0.41216
5	0.092	6.17041	-0.17732	-0.01425	-0.04272			-0.07511	-0.40182
4	0.0916	5.69043		-0.01467	-0.11719			-0.08888	-0.46069
3	0.0914	5.24938		-0.01487				-0.10781	-0.51928
4	0.0913	6.49836	-0.23349	-0.01407	-0.10166				-0.42346
3	0.0912	6.35349	-0.29317	-0.01408					-0.45292
6	0.0911	7.50713	-0.60575	-0.01244	-0.32517	0.55129	0.05304	-0.13749	
5	0.0909	7.57691	-0.60014	-0.01255	-0.37852	0.6168		-0.1158	
3	0.0906	5.91143		-0.01461	-0.22088				-0.51133
3	0.0902	4.11821		-0.01536		0.29293			-0.86832
5	0.0901	7.22277	-0.66639	-0.01245		0.28279	0.09814	-0.17122	
5	0.0897	7.40308	-0.42848	-0.01282	-0.11281		0.09684	-0.13694	
4	0.0896	7.28419	-0.50325	-0.01273			0.10893	-0.15424	
2	0.0895	4.99641		-0.01504					-0.67242
5	0.0894	8.15721	-0.65776	-0.01235	-0.45958	0.54852	-0.02007		
4	0.0893	8.17308	-0.66444	-0.01229	-0.44404	0.51663			
4	0.0893	7.27249	-0.6757	-0.01271		0.32892		-0.13646	
4	0.089	7.5193	-0.37446	-0.01315	-0.16972			-0.09288	
3	0.0886	7.35171	-0.48369	-0.01307				-0.11182	
4	0.088	8.05108	-0.48116	-0.01273	-0.24774		0.0238		
3	0.0879	8.02114	-0.45813	-0.01284	-0.25212				
5	0.0872	6.65137		-0.01364	-0.44847	0.09554	0.04338	-0.16403	
4	0.0871	6.68484		-0.01364	-0.39167		0.05404	-0.16212	
4	0.0871	7.96073	-0.77318	-0.01234		0.12515	0.02266		
4	0.0871	6.71504		-0.01372	-0.49124	0.15267		-0.14605	
3	0.087	7.93335	-0.7698	-0.01242		0.14652			
3	0.0869	7.95522	-0.6918	-0.01248			0.03122		
3	0.0869	6.80703		-0.01378	-0.40453			-0.13421	
2	0.0868	7.91349	-0.66634	-0.01262					
4	0.0851	6.1209		-0.01383		-0.35479	0.10665	-0.21618	
3	0.0846	7.36277		-0.01366	-0.59664		-0.0408		
4	0.0846	7.35083		-0.01365	-0.62435	0.04471	-0.04631		
2	0.0844	7.35685		-0.01352	-0.62092				
3	0.0844	7.36877		-0.01354	-0.59193	-0.04184			
3	0.0842	6.15825		-0.01413		-0.31429		-0.17904	
3	0.0832	5.19354		-0.01399			0.08226	-0.29455	
2	0.0826	5.30697		-0.01421				-0.25805	
2	0.0801	6.85189		-0.014		-0.68735			
3	0.0801	6.86084		-0.01398		-0.69725	0.00896		
2	0.0688	4.86828		-0.01462			-0.17185		
1	0.0647	4.34796		-0.01414					
6	0.0532	5.20784	-1.22614		-0.18952	1.65914	0.3429	-0.1792	-0.74385
5	0.0529	4.9137	-1.25948			1.53955	0.37767	-0.20141	-0.78215
5	0.0504	6.49581	-1.28745		-0.38182	1.54029	0.21806		-0.60207
4	0.0488	6.18572	-1.38179			1.23077	0.26255		-0.64985
5	0.0478	7.84107	-1.24574		-0.34347	1.07708	0.15826	-0.1134	
5	0.0473	7.08495	-1.23898		-0.52084	1.6332		-0.04187	-0.30618
4	0.0471	7.28086	-1.25733		-0.54407	1.59775			-0.31187
4	0.0467	7.54116	-1.31072			0.7942	0.20605	-0.14899	
4	0.0466	8.37593	-1.28492		-0.45435	1.0717	0.09726		
4	0.046	8.06249	-1.24663		-0.50611	1.29092		-0.04678	
3	0.0457	8.3022	-1.26734		-0.53181	1.2441			

3	0.0444	8.18155	-1.39866		0.65282	0.13943			
4	0.0442	6.73826	-1.35471		1.22493		-0.06951	-0.28586	
3	0.0436	7.04696	-1.39493		1.13313			-0.29404	
5	0.0431	6.71582	-0.86324	0.21447		0.3337	-0.13284	-0.25469	
3	0.043	7.6618	-1.3588		0.91557		-0.07338		
4	0.0426	7.25446	-0.78369			0.28632	-0.09869	-0.15633	
2	0.0424	8.01612	-1.40145		0.80915				
4	0.0423	7.65234	-0.92863	0.08287		0.25296	-0.1108		
3	0.0422	7.74196	-0.87556			0.24475	-0.09781		
4	0.0416	7.60702	-0.92919	0.04737		0.23991		-0.17407	
3	0.0415	7.6925	-0.90254			0.23349		-0.15263	
2	0.0412	8.16476	-0.99122			0.19335			
3	0.0412	8.1759	-0.96846	-0.02756		0.19289			
3	0.0376	8.51975	-0.88117	-0.11413				0.16403	
4	0.0376	8.5204	-0.88127	-0.11426			0.000159	0.16397	
2	0.0374	8.35793	-0.94844					0.1312	
3	0.0374	8.3281	-0.93719				-0.01024	0.13748	
1	0.037	7.90578	-0.84637						
2	0.037	7.92637	-0.8071	-0.04829					
2	0.037	7.92704	-0.85303				0.00423		
3	0.037	7.98602	-0.81603		-0.0586		0.01099		
5	0.0351	3.21159		-0.46289	0.77833	0.35395	-0.23725	-0.78385	
4	0.033	2.32583			0.41343	0.44312	-0.29771	-0.88398	
4	0.0325	4.37971		-0.19301		0.34701	-0.20189	-0.50501	
3	0.032	3.5572				0.40004	-0.24609	-0.63748	
4	0.0302	4.81051		-0.74008	0.55911	0.1867		-0.59574	
4	0.0292	5.95512		-0.62988	0.1496	0.1594	-0.16883		
3	0.029	6.00695		-0.54107		0.17619	-0.16586		
4	0.0289	5.12827		-0.80797	0.74202		-0.09607	-0.33235	
3	0.0288	5.50768		-0.50674		0.20019		-0.40769	
3	0.0278	5.51879		-0.87226	0.62819			-0.34657	
3	0.0273	6.1768		-0.79389	0.36432		-0.10177		
3	0.0265	6.20706		-0.54399			-0.06497	-0.07472	
3	0.0265	6.67418		-0.81115	0.09735	0.06723			
2	0.0264	6.69982		-0.75092		0.07928			
2	0.0264	6.39252		-0.58867			-0.07296		
2	0.0261	6.63917		-0.86153	0.22627				
2	0.026	6.36718		-0.61856				-0.11296	
1	0.0256	6.69819		-0.70543					
3	0.0251	5.19154			-0.4855	0.25114	-0.24261		
3	0.0238	3.90806			-0.23476	0.27452		-0.69422	
2	0.0234	3.16176				0.28531		-0.86079	
2	0.0215	3.90217				0.21994	-0.35074		
3	0.021	4.26236			-0.06185		-0.14957	-0.30311	
2	0.0209	4.08668					-0.15583	-0.33511	
2	0.0197	5.23388			-0.39405		-0.15392		
2	0.0187	6.01223			-0.87182	0.14303			
2	0.0181	4.78628			-0.35148			-0.32248	
1	0.0173	4.15793					-0.25294		
1	0.0171	3.69937						-0.55451	
1	0.0166	5.83807			-0.71455				
1	0.0009	3.4423				-0.07786			



LAG 2

Num In	RSquare	Intercept	LALK_2	LCA_2	LCL_2	LDOC_2	LSIO2_2	LSO4_2	LTKN_2	LTPO4_2
1	0.420	0.476								-0.691
1	0.407	6.763							-4.176	
1	0.351	16.984				-3.798				
1	0.206	18.872			-3.171					
1	0.168	16.074	-2.337							
1	0.135	6.308					-1.156			
1	0.045	5.834						-0.712		
1	0.010	2.591		0.007						
2	0.617	4.170					-1.407			-0.745
2	0.615	3.835							-3.082	-0.518
2	0.599	15.298			-2.964					-0.669
2	0.556	12.303	-2.114							-0.666
2	0.551	10.409				-2.541				-0.521
2	0.549	-2.059		0.027						-0.840
2	0.464	3.198						-0.709		-0.690
2	0.443	12.056				-1.759			-2.880	
2	0.419	10.326	-0.706						-3.775	
2	0.412	7.219		-0.005					-4.294	
2	0.411	6.392					0.232		-4.488	
2	0.408	7.425			-0.150				-4.078	
2	0.407	6.639						0.038	-4.202	
2	0.394	20.850		-0.016		-4.525				
2	0.376	20.720	-1.014			-3.281				
2	0.375	21.097			-1.308	-3.143				
2	0.367	16.808				-3.410	-0.447			
2	0.353	17.319				-3.704		-0.177		
2	0.234	20.427			-3.050			-0.561		
2	0.229	17.153			-2.517		-0.551			
2	0.223	20.196	-1.025		-2.293					
2	0.209	19.678		-0.003	-3.281					
2	0.190	14.085	-1.683				-0.591			
2	0.171	15.615	-2.302	0.004						
2	0.168	16.053	-2.318					-0.023		
2	0.136	6.515		-0.002			-1.183			
2	0.135	6.234					-1.174	0.033		
2	0.051	5.332		0.005				-0.681		
3	0.671	1.818		0.018			-1.163			-0.837
3	0.665	12.054			-1.810		-0.962			-0.715
3	0.650	8.586	-1.840	0.023						-0.798
3	0.649	1.705		0.015					-2.455	-0.638
3	0.648	10.630		0.018	-2.365					-0.772
3	0.647	4.549					-0.826		-1.747	-0.625
3	0.644	9.359	-1.123						-2.389	-0.543
3	0.642	8.363				-1.272	-1.110			-0.649
3	0.638	10.286			-1.531				-1.977	-0.569
3	0.632	8.250	-0.870				-1.108			-0.723
3	0.628	16.870			-2.841			-0.569		-0.670

3	0.622	6.421				-0.816		-2.530	-0.494
3	0.622	3.497					-1.568	0.286	-0.752
3	0.621	16.597			-2.249	-1.247			-0.591
3	0.618	4.390					-0.185	-2.939	-0.526
3	0.610	16.379	-0.819		-2.264				-0.665
3	0.602	15.312	-1.463			-1.702			-0.560
3	0.576	0.245		0.025				-0.559	-0.830
3	0.570	4.938		0.015		-1.507			-0.674
3	0.563	10.927				-2.304		-0.377	-0.537
3	0.557	12.193	-2.020					-0.109	-0.667
3	0.471	15.568		-0.013		-2.507			-2.652
3	0.449	14.335	-0.521			-1.642			-2.670
3	0.445	11.689				-1.729	0.173		-3.134
3	0.444	11.867				-1.765		0.064	-2.919
3	0.443	12.021			0.008	-1.760			-2.885
3	0.432	11.334	-1.071				0.524		-4.270
3	0.425	25.687		-0.017	-1.456	-3.845			
3	0.423	10.758	-0.702	-0.005					-3.893
3	0.423	10.460	-0.883					0.235	-3.834
3	0.422	8.720	-0.958		0.654				-4.058
3	0.422	21.139		-0.019		-4.117	-0.583		
3	0.414	6.866		-0.004			0.179		-4.516
3	0.413	8.550		-0.005	-0.293				-4.114
3	0.412	23.726	-0.863	-0.015		-4.027			
3	0.412	7.122		-0.005				0.030	-4.313
3	0.411	7.431			-0.242		0.248		-4.352
3	0.411	6.598					0.286	-0.090	-4.498
3	0.408	7.266			-0.135			0.028	-4.107
3	0.396	21.160		-0.016		-4.433		-0.169	
3	0.382	21.869	-0.638		-0.806	-3.069			
3	0.381	20.170			-1.048	-3.037	-0.273		
3	0.379	21.589			-1.338	-3.017		-0.210	
3	0.379	19.850	-0.801			-3.196	-0.223		
3	0.376	20.815	-1.084			-3.291		0.086	
3	0.368	16.597				-3.416	-0.501	0.100	
3	0.238	21.572		-0.005	-3.196			-0.582	
3	0.237	19.186			-2.772		-0.262	-0.409	
3	0.235	20.621	-0.337		-2.780			-0.474	
3	0.235	18.345		-0.006	-2.635		-0.613		
3	0.234	18.384	-0.663		-2.092		-0.431		
3	0.224	20.638	-0.991	-0.002	-2.389				
3	0.194	13.956	-1.788				-0.705	0.267	
3	0.190	14.078	-1.685	0.000			-0.589		
3	0.171	15.608	-2.295	0.004				-0.009	
3	0.136	6.425		-0.002			-1.208	0.043	
4	0.699	8.489		0.015	-1.435		-0.854		-0.796
4	0.688	6.284	-0.968	0.019			-0.822		-0.815
4	0.684	7.610	-1.238	0.017					-1.635
4	0.681	2.409		0.015			-0.832		-1.105
4	0.673	1.353		0.018			-1.288	0.214	-0.840
4	0.671	1.476		0.019		0.082	-1.175		-0.846
4	0.670	13.025			-1.538	-0.654	-0.876		-0.670

4	0.670	12.325		0.016	-2.299			-0.498		-0.766
4	0.668	7.740		0.014	-1.405				-1.474	-0.678
4	0.668	10.785			-1.483		-0.807		-0.706	-0.672
4	0.667	11.659	-1.102	0.019	-1.368					-0.775
4	0.665	12.140			-1.821		-0.950	-0.017		-0.714
4	0.665	12.045	0.005		-1.813		-0.963			-0.715
4	0.657	8.084	-0.758				-0.599		-1.646	-0.613
4	0.653	6.927				-0.754	-0.812		-1.260	-0.601
4	0.652	2.309		0.015				-0.210	-2.286	-0.648
4	0.651	-0.644		0.019		0.592			-2.717	-0.681
4	0.651	7.736	-1.927	0.025		0.291				-0.828
4	0.650	8.560	-1.812	0.023				-0.033		-0.798
4	0.649	10.890	-0.651			-1.112	-0.923			-0.645
4	0.649	4.065					-0.959	0.200	-1.686	-0.633
4	0.649	10.380		0.018	-2.397	0.092				-0.781
4	0.648	11.368	-0.817		-0.833				-1.976	-0.564
4	0.647	12.397			-1.783			-0.349	-1.525	-0.592
4	0.646	10.651	-1.052			-0.517			-2.083	-0.527
4	0.646	7.687				-1.266	-1.269	0.278		-0.656
4	0.644	9.402	-1.174					0.070	-2.411	-0.541
4	0.642	11.737			-1.427	-0.595			-1.649	-0.548
4	0.641	8.007	-1.025				-1.288	0.412		-0.729
4	0.638	17.514			-2.350	-0.897		-0.464		-0.614
4	0.628	17.426	-0.694		-1.704	-1.162				-0.593
4	0.628	16.862	0.013		-2.852			-0.572		-0.670
4	0.624	6.812				-0.784		-0.164	-2.425	-0.502
4	0.603	15.261	-1.432			-1.695		-0.039		-0.561
4	0.587	4.874		0.017		-1.094		-0.450		-0.712
4	0.475	17.318	-0.427	-0.013		-2.386			-2.488	
4	0.472	16.916		-0.014	-0.296	-2.508			-2.470	
4	0.471	15.410		-0.013		-2.511		0.051	-2.684	
4	0.471	15.675		-0.013		-2.522	-0.030		-2.606	
4	0.457	14.775	-0.817			-1.505	0.403		-3.143	
4	0.452	14.419	-0.684			-1.627		0.215	-2.734	
4	0.452	12.747	-0.769		0.644	-1.640			-2.950	
4	0.445	11.930			-0.060	-1.723	0.177		-3.105	
4	0.445	11.721				-1.725	0.184	-0.019	-3.139	
4	0.444	11.659			0.047	-1.770		0.068	-2.949	
4	0.437	9.359	-1.421		0.836		0.564		-4.669	
4	0.436	24.639		-0.019	-1.080	-3.737	-0.405			
4	0.435	6.638	-1.750		1.630			0.553	-4.619	
4	0.434	11.502	-1.037	-0.003			0.478		-4.297	
4	0.432	11.313	-1.096				0.495	0.060	-4.258	
4	0.428	26.160		-0.017	-1.485	-3.721		-0.205		
4	0.427	10.869	-0.871	-0.005				0.224	-3.945	
4	0.426	25.862	-0.266	-0.017	-1.241	-3.791				
4	0.425	9.488	-0.891	-0.004	0.490				-4.086	
4	0.424	20.790		-0.019		-4.150	-0.709	0.223		
4	0.424	22.403	-0.397	-0.018		-3.971	-0.464			
4	0.415	8.405		-0.005	-0.346		0.196		-4.325	
4	0.414	7.009		-0.004			0.221	-0.068	-4.523	
4	0.413	8.509		-0.005	-0.289			0.007	-4.121	

4	0.412	8.240			-0.355		0.340	-0.141	-4.305	
4	0.412	23.772	-0.905	-0.015		-4.030		0.050		
4	0.384	21.054	-0.488		-0.746	-3.014	-0.187			
4	0.382	21.912	-0.545		-0.889	-3.040		-0.067		
4	0.381	19.728	-0.887			-3.185	-0.314	0.212		
4	0.381	20.568			-1.115	-3.008	-0.215	-0.086		
4	0.243	20.234		-0.006	-2.873		-0.332	-0.393		
4	0.239	21.590	-0.179	-0.004	-3.041			-0.534		
4	0.238	19.378	-0.339		-2.500		-0.263	-0.321		
4	0.238	19.080	-0.521	-0.005	-2.278		-0.507			
4	0.194	13.971	-1.786	0.000			-0.710	0.268		
5	0.704	5.971		0.020	-1.659	0.854	-0.928			-0.884
5	0.701	9.050	-0.387	0.016	-1.172		-0.774			-0.795
5	0.699	8.220		0.015	-1.356		-0.815		-0.187	-0.783
5	0.699	8.562		0.015	-1.445		-0.844	-0.014		-0.796
5	0.697	2.735	-1.516	0.026		1.564			-2.144	-0.801
5	0.696	6.437	-0.892	0.016			-0.565		-0.947	-0.740
5	0.695	6.123	-1.097	0.018			-0.980	0.348		-0.818
5	0.692	4.035	-1.137	0.024		0.727	-0.867			-0.891
5	0.685	8.842	-1.055	0.016	-0.490				-1.415	-0.685
5	0.684	-0.435		0.019		0.720	-0.847		-1.400	-0.801
5	0.684	7.652	-1.288	0.017				0.068	-1.657	-0.675
5	0.683	2.014		0.015			-0.946	0.170	-1.059	-0.753
5	0.678	9.898		0.015	-1.665			-0.361	-1.002	-0.704
5	0.673	10.626		0.021	-2.540	0.701		-0.561		-0.835
5	0.673	1.153		0.018		0.049	-1.295	0.213		-0.845
5	0.673	12.339	-0.581	0.018	-1.794			-0.342		-0.769
5	0.673	4.702		0.019	-1.516	0.886			-1.789	-0.747
5	0.671	12.096			-1.390	-0.540	-0.799		-0.423	-0.652
5	0.670	12.879			-1.514	-0.663	-0.897	0.031		-0.670
5	0.670	13.024	0.001		-1.538	-0.654	-0.876			-0.670
5	0.670	10.073	-1.231	0.023	-1.474	0.625				-0.838
5	0.668	10.979	-0.169		-1.342		-0.758		-0.783	-0.664
5	0.668	10.763			-1.480		-0.810	0.004	-0.707	-0.672
5	0.665	12.123	0.029		-1.843		-0.950	-0.024		-0.715
5	0.663	7.909	-0.885				-0.772	0.317	-1.532	-0.624
5	0.661	9.496	-0.669			-0.579	-0.615		-1.283	-0.596
5	0.657	10.558	-0.803			-1.066	-1.096	0.379		-0.653
5	0.655	6.490				-0.785	-0.959	0.221	-1.172	-0.610
5	0.655	-0.383		0.019		0.697		-0.235	-2.574	-0.701
5	0.651	12.461	-0.767		-0.794	-0.476			-1.714	-0.548
5	0.651	7.686	-1.896	0.025		0.297		-0.038		-0.828
5	0.649	12.058	-0.574		-1.162			-0.167	-1.760	-0.577
5	0.649	13.461			-1.681	-0.493		-0.326	-1.283	-0.573
5	0.647	10.690	-1.102			-0.516		0.068	-2.105	-0.525
5	0.638	17.566	-0.078		-2.284	-0.903		-0.443		-0.613
5	0.477	17.334	-0.563	-0.013		-2.360		0.176	-2.544	
5	0.476	17.258	-0.542	-0.012		-2.281	0.146		-2.673	
5	0.475	16.965	-0.476	-0.013	0.121	-2.372			-2.544	
5	0.472	16.746		-0.014	-0.279	-2.510		0.029	-2.499	
5	0.472	16.952		-0.014	-0.292	-2.515	-0.015		-2.449	
5	0.472	15.610		-0.014		-2.558	-0.089	0.091	-2.569	

5	0.464	10.690	-1.519		1.561	-1.599		0.519	-3.504	
5	0.461	12.878	-1.150		0.787	-1.489	0.442		-3.531	
5	0.458	14.763	-0.853			-1.514	0.360	0.089	-3.119	
5	0.445	12.090			-0.087	-1.714	0.198	-0.032	-3.100	
5	0.442	7.806	-1.828		1.438		0.417	0.368	-4.883	
5	0.437	9.598	-1.376	-0.001	0.770		0.538		-4.651	
5	0.436	24.494	0.125	-0.019	-1.158	-3.756	-0.429			
5	0.436	24.441		-0.019	-1.042	-3.758	-0.438	0.048		
5	0.436	7.158	-1.669	-0.002	1.487			0.520	-4.600	
5	0.434	11.482	-1.066	-0.003			0.442	0.072	-4.283	
5	0.428	22.298	-0.501	-0.018		-3.974	-0.590	0.279		
5	0.428	26.157	0.053	-0.018	-1.529	-3.723		-0.219		
5	0.416	9.130		-0.004	-0.448		0.281	-0.130	-4.282	
5	0.384	20.889	-0.546		-0.664	-3.031	-0.216	0.058		
5	0.243	20.262	-0.145	-0.005	-2.752		-0.329	-0.356		
6	0.707	6.301	-0.544	0.022	-1.330	1.009	-0.830			-0.898
6	0.707	2.112	-1.180	0.025		1.426	-0.508		-1.480	-0.846
6	0.705	4.785		0.020	-1.481	1.005	-0.834		-0.514	-0.863
6	0.704	6.251		0.020	-1.720	0.894	-0.876	-0.076		-0.885
6	0.701	8.622	-0.460	0.015	-0.965		-0.682		-0.370	-0.769
6	0.701	8.617	-0.510	0.016	-1.011		-0.834	0.117		-0.799
6	0.701	6.280	-1.012	0.016			-0.731	0.303	-0.843	-0.750
6	0.699	8.268		0.015	-1.363		-0.809	-0.009	-0.185	-0.783
6	0.698	3.805	-1.273	0.023		0.748	-1.029	0.354		-0.896
6	0.698	3.867	-1.354	0.025	-0.423	1.542			-1.946	-0.806
6	0.698	2.773	-1.569	0.026		1.566		0.072	-2.167	-0.799
6	0.685	-0.572		0.019		0.670	-0.942	0.145	-1.340	-0.803
6	0.685	9.078	-0.976	0.016	-0.597			-0.053	-1.349	-0.688
6	0.685	6.344		0.021	-1.849	1.138		-0.420	-1.330	-0.795
6	0.677	10.383	-0.673	0.023	-1.992	0.808		-0.391		-0.850
6	0.671	12.181	-0.105		-1.305	-0.526	-0.769		-0.477	-0.648
6	0.671	11.923			-1.362	-0.549	-0.822	0.035	-0.426	-0.652
6	0.670	12.908	-0.040		-1.481	-0.667	-0.897	0.041		-0.670
6	0.669	10.667	-0.254		-1.216		-0.783	0.073	-0.838	-0.662
6	0.666	9.348	-0.796			-0.591	-0.791	0.322	-1.160	-0.608
6	0.652	13.074	-0.541		-1.102	-0.462		-0.157	-1.519	-0.560
6	0.480	15.080	-0.996	-0.011	0.780	-2.248		0.333	-2.954	
6	0.477	17.306	-0.596	-0.012		-2.318	0.064	0.155	-2.618	
6	0.476	16.575	-0.653	-0.011	0.231	-2.237	0.171		-2.811	
6	0.472	16.720		-0.014	-0.249	-2.538	-0.053	0.055	-2.450	
6	0.467	11.261	-1.584		1.435	-1.512	0.282	0.396	-3.744	
6	0.442	7.951	-1.799	-0.001	1.395		0.407	0.362	-4.871	
6	0.436	24.426	0.101	-0.019	-1.125	-3.762	-0.441	0.023		
7	0.711	4.282	-0.780	0.023	-0.860	1.352	-0.616		-0.939	-0.867
7	0.711	2.072	-1.286	0.024		1.390	-0.666	0.285	-1.369	-0.854
7	0.707	6.070	-0.620	0.022	-1.223	0.991	-0.867	0.076		-0.898
7	0.705	5.062		0.020	-1.540	1.042	-0.786	-0.072	-0.509	-0.865
7	0.702	7.853	-0.662	0.015	-0.664		-0.739	0.170	-0.492	-0.766
7	0.698	3.985	-1.317	0.025	-0.472	1.539		-0.025	-1.915	-0.807
7	0.672	11.816	-0.208		-1.148	-0.535	-0.800	0.090	-0.540	-0.645
7	0.480	15.056	-1.028	-0.010	0.779	-2.206	0.062	0.312	-3.026	
8	0.712	3.471	-0.991	0.024	-0.549	1.357	-0.674	0.176	-1.066	-0.864





## LAG 3

Number In Model	RSquare	Intercept	LALK_3	LCA_3	LCL_3	LDOC_3	LSIO2_3	LSO4_3	LTKN_3	LTPO4_3
8	0.4019	7.91719	-0.9183	0.01041	-0.5619	-0.7275	0.16201	0.14257	0.96396	-0.865
7	0.4013	7.69658	-0.9067	0.0097	-0.4473	-0.7342	0.25395		0.87123	-0.8768
7	0.4012	7.62924	-0.8728	0.01071	-0.6532	-0.5805		0.24964	0.96194	-0.8568
6	0.3996	7.01555	-1.0104	0.00816		-0.9316	0.25876		0.75547	-0.8658
7	0.3996	7.02055	-1.0145	0.0082		-0.9364	0.24893	0.01545	0.7623	-0.8642
6	0.3991	6.24269	-0.7917	0.01007	-0.7668			0.17531	0.63315	-0.8557
7	0.3991	6.22973	-0.7969	0.00997	-0.754		0.03328	0.14945	0.61647	-0.8573
6	0.3985	5.98197	-0.7836	0.00923	-0.6357		0.12844		0.51584	-0.8696
6	0.3983	6.45745	-0.7591	0.00908	-0.4615	-0.3466			0.67547	-0.8786
6	0.3978	6.29084	-0.9643	0.0081		-0.7461		0.16092	0.70378	-0.8502
5	0.3975	5.75341	-0.727	0.00898	-0.5773				0.51026	-0.8734
5	0.3964	5.73018	-0.8631	0.00748		-0.5428			0.55214	-0.8673
5	0.3948	3.70289	-0.6136	0.00828	-0.2503		0.1234			-0.8559
6	0.3948	3.74456	-0.6179	0.00816	-0.2412		0.14375	-0.0316		-0.859
6	0.3948	3.70951	-0.6139	0.00827	-0.2295	-0.0337	0.12899			-0.8558
7	0.3948	3.76683	-0.6194	0.00811	-0.2038	-0.0565	0.15859	-0.0401		-0.8597
5	0.3945	4.152	-0.8966	0.00656			0.08209		0.17724	-0.8489
6	0.3945	4.17482	-0.8882	0.0065			0.10761	-0.0367	0.16799	-0.8529
6	0.3945	3.75494	-0.6859	0.00739		-0.2027	0.19527	-0.0773		-0.8598
5	0.3943	3.62653	-0.6921	0.00753		-0.193	0.14074			-0.8513
6	0.3942	3.49346	-0.5756	0.00842	-0.2939	0.08597		0.06509		-0.8517
5	0.3941	4.1008	-0.8762	0.00662				0.03952	0.19841	-0.8471
5	0.3941	3.48687	-0.5706	0.00838	-0.2362			0.06784		-0.8515
4	0.394	4.11195	-0.8524	0.00655					0.1941	-0.8527
5	0.3939	3.51348	-0.5672	0.0081	-0.2656	0.09781				-0.8595
5	0.3939	3.58818	-0.7581	0.00679			0.13993	-0.0661		-0.8554
4	0.3938	3.5069	-0.561	0.00805	-0.1983					-0.8597
4	0.3937	3.48446	-0.7605	0.00694			0.09525			-0.8482
5	0.3934	3.37285	-0.666	0.00736		-0.0958		0.0444		-0.8489
4	0.3932	3.39511	-0.6539	0.00721		-0.0752				-0.8546
4	0.3932	3.34035	-0.7093	0.00704				0.03145		-0.8482
3	0.3931	3.36246	-0.6931	0.00698						-0.8526
7	0.3925	3.21718		0.01148	-0.801	-0.3995	0.05452	0.11085	0.54583	-0.9357
6	0.3924	3.19788		0.01157	-0.8286	-0.354		0.14865	0.55232	-0.9317
6	0.3922	3.0911		0.01092	-0.7093	-0.408	0.12725		0.47762	-0.9442
5	0.3916	2.58106		0.01111	-0.8902			0.10755	0.36837	-0.9266
6	0.3916	2.59465		0.01114	-0.8947		-0.0124	0.11732	0.3752	-0.9258
5	0.3914	2.82435		0.01047	-0.6938	-0.2255			0.40581	-0.9392
5	0.3913	2.44707		0.01054	-0.7997		0.06321		0.29908	-0.9346
6	0.3911	7.30044	-1.0278			-0.6118	0.2355	-0.0551	0.63744	-0.7808
7	0.3911	7.31097	-1.0268		-0.0061	-0.6085	0.23451	-0.0539	0.63926	-0.7806
4	0.391	2.46068		0.01036	-0.7638				0.30423	-0.9341
5	0.391	7.32278	-1.043			-0.6242	0.19958		0.66042	-0.7738
6	0.391	7.38587	-1.0346		-0.0382	-0.6024	0.19822		0.66877	-0.7733
4	0.3899	1.48229		0.00975	-0.5312		0.06902			-0.9168
5	0.3899	1.48661		0.00975	-0.5152	-0.0259	0.07331			-0.9167
5	0.3899	1.48121		0.00976	-0.5314		0.0682	0.0013		-0.9167
6	0.3899	1.4892		0.00974	-0.5136	-0.0275	0.07533	-0.0028		-0.9171

4	0.3897	1.43939		0.00981	-0.518		0.04922		-0.9108
5	0.3897	1.43388		0.00983	-0.5472	0.04179	0.04781		-0.9111
3	0.3896	1.47902		0.00954	-0.4869				-0.916
4	0.3896	1.4709		0.00958	-0.5236	0.051			-0.9162
6	0.3896	6.86282	-0.9648		-0.1162	-0.3879	0.09474	0.62245	-0.7649
5	0.3895	6.60661	-0.9802			-0.4352	0.08339	0.58341	-0.7684
5	0.3892	6.42063	-0.9113		-0.07	-0.3022		0.52401	-0.7799
6	0.3892	5.91107	-0.9207		-0.1874		0.12354	-0.0412	0.35802
4	0.3891	6.29201	-0.9251			-0.3386			0.50677
5	0.3891	5.97932	-0.9276		-0.2106		0.09659	0.38281	-0.7715
5	0.3888	5.2565	-0.9369				0.13798	-0.0815	0.23732
5	0.3887	5.94881	-0.9058		-0.2157		0.05039	0.41216	-0.7679
4	0.3886	5.22786	-0.9569				0.08134	0.25952	-0.7746
4	0.3886	5.80633	-0.8818		-0.1752			0.38134	-0.7764
3	0.3882	5.18746	-0.913					0.27617	-0.7784
4	0.3882	5.18736	-0.9227				0.01569	0.27821	-0.7759
6	0.3878	4.43369	-0.7956		0.16271	-0.1467	0.22063	-0.1538	-0.7901
5	0.3876	4.38518	-0.794		0.07022		0.18268	-0.1333	-0.7873
6	0.3876	1.14442		0.00835		-0.6598	0.16739	-0.0838	0.17956
4	0.3875	4.48303	-0.7529				0.18652	-0.1268	-0.7842
5	0.3875	4.50158	-0.7474			-0.0153	0.19101	-0.128	-0.784
5	0.3874	1.03928		0.00854		-0.68	0.11082		0.20443
5	0.3872	0.71792		0.00808		-0.4582	0.15886	-0.1028	-0.936
3	0.387	4.31739	-0.7574				0.10107		-0.7671
4	0.387	4.24203	-0.7867		0.04977		0.09525		-0.7687
4	0.387	4.30987	-0.7598			0.00681	0.09945		-0.7673
5	0.387	4.25303	-0.7869		0.08689	-0.061	0.10543		-0.7687
4	0.3869	0.50999		0.00828		-0.4484	0.08573		-0.9255
5	0.3868	0.84415		0.00828		-0.5391		0.019	0.15925
4	0.3867	0.84557		0.0082		-0.5155		0.14695	-0.9344
3	0.3865	0.47291		0.00805		-0.3663			-0.925
4	0.3865	0.47736		0.00804		-0.3647		-0.0026	-0.9253
4	0.3865	4.08309	-0.7456		0.05202	0.04736			-0.7732
5	0.3865	4.08272	-0.743		0.05477	0.04974		-0.0112	-0.7751
3	0.3864	4.07802	-0.742		0.08368				-0.7736
3	0.3864	4.12382	-0.7304			0.0851			-0.7722
4	0.3864	4.0775	-0.7397		0.08734			-0.0095	-0.7752
4	0.3864	4.12522	-0.7277			0.08853		-0.0088	-0.7736
2	0.3863	4.19266	-0.6858						-0.7713
3	0.3863	4.19175	-0.6868				0.00192		-0.771
5	0.385	-0.4023		0.00709			0.07143	-0.1129	-0.2022
4	0.3848	-0.4105		0.00717				-0.0614	-0.1785
3	0.3846	-0.6342		0.0073					-0.1885
4	0.3846	-0.61		0.0073			-0.0097		-0.1842
3	0.3836	-0.55		0.00673				-0.0771	-0.9449
4	0.3836	-0.5507		0.00672			0.0046	-0.0806	-0.9454
3	0.3834	-0.6931		0.0069			-0.0504		-0.9369
2	0.3832	-0.845		0.00687					-0.9391
6	0.3793	1.91994			-0.2119	-0.2234	0.12129	-0.1127	0.12807
5	0.3791	1.51347			-0.1594	-0.1317	0.12412	-0.1339	-0.8492
4	0.379	1.47512			-0.2419		0.09022	-0.1155	-0.8466
5	0.379	1.58886			-0.2748		0.0823	-0.1054	0.03836

5	0.3789	1.99083			-0.283	-0.2041	0.04292		0.18205	-0.8365
5	0.3789	1.85456			-0.264	-0.1182		-0.0317	0.13555	-0.8402
4	0.3788	1.24091				-0.2769	0.15057	-0.1612		-0.8599
4	0.3788	1.91391			-0.2836	-0.1438			0.16133	-0.8363
4	0.3788	1.66118			-0.2928			-0.0433	0.0781	-0.8397
5	0.3788	1.35103				-0.3254	0.15262	-0.157	0.04455	-0.8617
3	0.3787	1.41968			-0.2222			-0.0528		-0.8384
3	0.3787	1.68729			-0.3312				0.09797	-0.8337
4	0.3787	1.42214			-0.2096	-0.0185		-0.0521		-0.8383
4	0.3787	1.68228			-0.3365		0.0118		0.09635	-0.8335
2	0.3785	1.37408			-0.2486					-0.8302
3	0.3785	1.3743			-0.2571		0.01508			-0.83
3	0.3785	1.37923			-0.2269	-0.0308				-0.8303
4	0.3785	1.38397			-0.2224	-0.0571	0.02459			-0.83
4	0.3782	0.50865					0.10257	-0.1667	-0.1484	-0.86
4	0.3782	1.07549				-0.2178		-0.0626	0.02705	-0.8511
3	0.3781	1.01053				-0.1891		-0.066		-0.8501
4	0.378	1.15904				-0.3494	0.04381		0.08621	-0.8447
2	0.3779	0.91071				-0.2234				-0.841
3	0.3779	0.93017				-0.2543	0.03393			-0.8403
3	0.3779	1.07859				-0.2881			0.06485	-0.8445
3	0.3778	0.51088						-0.0931	-0.1135	-0.8525
3	0.3774	0.3625					0.0516	-0.1405		-0.8743
2	0.3773	0.38335						-0.1021		-0.8681
2	0.3772	0.19494							-0.1268	-0.8416
3	0.3772	0.23765					-0.0174		-0.1191	-0.8418
2	0.3767	0.15185					-0.044			-0.856
1	0.3766	0.01644								-0.8581
7	0.2201	17.667	-2.3753	-0.0068	-0.5212	-0.2989	-0.2378	0.81185	0.81037	
6	0.2196	16.9341	-2.3198	-0.0069	-0.6007		-0.2895	0.81223	0.66739	
6	0.2186	18.2386	-2.4643	-0.0075	-0.3834	-0.5137		0.66045	0.81122	
6	0.2181	16.827	-2.4633	-0.0088		-0.4931	-0.1569	0.69337	0.62345	
5	0.2174	17.4022	-2.5109	-0.0089		-0.6115		0.60633	0.65987	
5	0.2169	16.9991	-2.3907	-0.008	-0.4844			0.59419	0.5204	
5	0.2167	15.2508	-2.3863	-0.0096			-0.2289	0.66099	0.30952	
6	0.2151	14.124	-2.1163	-0.0086	-0.2201	0.26346	-0.2386	0.65467		
4	0.2149	15.573	-2.4341	-0.0101				0.50544	0.2455	
5	0.2147	14.1129	-2.1883	-0.0094		0.10571	-0.1991	0.61461		
6	0.2147	18.8787	-2.4015		-0.9503	-0.3589	-0.3245	1.01546	1.05121	
4	0.2146	14.2285	-2.1543	-0.0091			-0.1711	0.6106		
5	0.2146	14.2661	-2.1292	-0.0089	-0.0451		-0.1706	0.61758		
5	0.214	18.0208	-2.3352		-1.0549		-0.3886	1.02013	0.88394	
4	0.2136	14.6889	-2.2023	-0.0094	-0.049			0.50409		
5	0.2136	14.6938	-2.2053	-0.0093	-0.0815	0.04854		0.50259		
3	0.2135	14.6493	-2.2299	-0.0096				0.49616		
4	0.2135	14.6502	-2.229	-0.0096			-0.002	0.49644		
5	0.2117	19.8665	-2.5316		-0.8177	-0.6723		0.83054	1.08763	
4	0.2088	18.3663	-2.4396		-0.9953			0.75847	0.72533	
5	0.2059	17.7245	-2.6336			-0.8724	-0.1915	0.87642	0.77349	
5	0.2056	14.3434	-2.0461		-0.6896	0.41162	-0.3589	0.87157		
4	0.2048	18.4435	-2.6948			-1.0237		0.77282	0.82053	
4	0.2042	14.5807	-2.0632		-0.435		-0.2567	0.82355		

4	0.2019	15.2653	-2.1768		-0.5324	0.09351		0.66082	
3	0.2018	15.258	-2.1709		-0.4713			0.6643	
6	0.2018	17.1328	-2.426	-0.0125	0.17929	-0.3045	0.28834		0.23353
5	0.2015	17.459	-2.3915	-0.012		-0.2218	0.28656		0.27749
5	0.2013	15.9832	-2.3362	-0.0127	0.2346	-0.1161	0.25403		
5	0.2013	16.3861	-2.3695	-0.0126	0.09866		0.23593		0.08763
4	0.2012	16.7178	-2.3575	-0.0123			0.24374		0.14004
4	0.2012	15.9655	-2.3359	-0.0127	0.16299		0.23477		
4	0.2012	14.8826	-2.516				-0.3341	0.84571	0.20263
3	0.2008	16.1823	-2.249	-0.012			0.25403		
4	0.2008	16.1356	-2.2647	-0.0121		0.04804	0.24257		
4	0.2006	14.3779	-2.3012			-0.1494	-0.2477	0.79253	
3	0.2002	14.2138	-2.3575				-0.2923	0.80629	
3	0.1987	15.0566	-2.3551			-0.2907		0.6494	
4	0.198	15.701	-2.2585	-0.0133	0.16731	0.14313			
5	0.198	15.7472	-2.2618	-0.0133	0.16463	0.13675			0.00972
3	0.1978	15.6955	-2.2501	-0.0133	0.26598				
4	0.1978	16.049	-2.278	-0.0133	0.21217				0.07388
3	0.1977	15.8203	-2.2094	-0.0128		0.2533			
4	0.1977	16.0547	-2.231	-0.0128		0.21024			0.05139
3	0.1974	16.7654	-2.2444	-0.0125					0.19004
3	0.1973	15.3358	-2.5977					0.62749	0.09855
2	0.1971	14.9587	-2.51					0.6212	
2	0.1965	16.0304	-2.0884	-0.0121					
5	0.1784	19.6475	-2.5169		-0.4121	-0.4476	0.39386		0.45791
4	0.1774	18.5808	-2.4347		-0.5397		0.31796		0.24564
4	0.1766	19.0555	-2.6186			-0.6833	0.41016		0.36554
3	0.1765	17.4354	-2.3407		-0.3716		0.31659		
4	0.1765	17.4486	-2.3409		-0.3248	-0.0769	0.32941		
3	0.1754	17.3264	-2.4538			-0.3325	0.35354		
3	0.1737	16.7757	-2.5262				0.28095		-0.0737
2	0.1736	17.0698	-2.588				0.27583		
4	0.1711	17.9239	-2.2952		-0.4823	0.15659			0.1642
3	0.1709	18.2712	-2.3138		-0.4284				0.2378
3	0.1708	17.1559	-2.2392		-0.4427	0.26553			
2	0.1701	17.1636	-2.2233		-0.2662				
2	0.1686	16.9546	-2.387			-0.0573			
3	0.1686	17.1419	-2.4042			-0.0917			0.04099
1	0.1685	16.9178	-2.4183						
2	0.1685	16.8323	-2.3996						-0.0212
6	0.1481	6.06616		-0.0078	-1.222	0.7801	-0.6545	0.88017	-0.4697
5	0.1461	7.66144		-0.0066	-1.4863	0.46866	-0.6857	0.99546	
5	0.1446	7.38233		-0.0075	-1.0421		-0.5348	0.88363	-0.1475
4	0.1444	7.84498		-0.007	-1.1875		-0.569	0.93289	
5	0.1409	7.3099			-1.7234	0.72494	-0.7593	1.11474	-0.2095
4	0.1405	7.99407			-1.8143	0.57709	-0.7666	1.15317	
4	0.1379	8.49636			-1.5398		-0.6445	1.11049	0.08236
3	0.1378	8.25357			-1.4694		-0.6277	1.08892	
5	0.1366	2.93257		-0.0129		0.39978	-0.4928	0.59405	-1.048
4	0.1356	3.9139		-0.0123			-0.4399	0.61922	-0.8231
5	0.1356	6.46942		-0.01	-0.8937	0.26659		0.44179	-0.6085
4	0.1352	6.95209		-0.0097	-0.8471			0.47426	-0.4735

4	0.1322	8.59092	-0.0085	-1.2205	-0.1749		0.56578	
3	0.1319	8.57858	-0.0084	-1.3439			0.56064	
3	0.129	4.09997	-0.0134				0.31306	-0.9929
4	0.129	3.93673	-0.0135		0.06805		0.3025	-1.0347
5	0.1266	5.21693	-0.014	-0.4775	0.79912	-0.0927		-1.1259
4	0.1262	5.42126	-0.0138	-0.488	0.66978			-1.0794
4	0.1244	3.82467	-0.0155		0.61081	-0.1029		-1.3038
3	0.1239	4.01794	-0.0153		0.46226			-1.2564
4	0.1234	8.22113		-1.4946	0.08261		0.66183	-0.2899
3	0.1233	8.35912		-1.475			0.67028	-0.2499
4	0.123	6.56191	-0.0138	-0.2902		0.03216		-0.7985
3	0.1229	6.56784	-0.0138	-0.2721				-0.7956
4	0.1229	5.7223	-0.0126		-0.7976	-0.4814	0.7564	
3	0.1225	9.18338		-1.6178	-0.1313		0.70917	
2	0.1223	9.17051		-1.7083			0.70444	
2	0.1221	5.43165	-0.0148					-0.9667
3	0.1221	5.41737	-0.0148			0.00563		-0.9692
3	0.1157	6.66885	-0.0132		-1.1068		0.46946	
3	0.1124	9.56202	-0.0129	-0.9705	-0.0741			
4	0.1124	9.57085	-0.0128	-0.967	-0.1073	0.03155		
2	0.1123	9.553	-0.0129	-1.0241				
3	0.1123	9.55509	-0.0128	-1.033		0.01379		
3	0.112	3.58553	-0.0153			-0.7632	0.81044	
4	0.1097	2.837			-0.0796	-0.5801	0.85994	-0.9961
3	0.1096	2.63009				-0.592	0.85709	-1.0428
3	0.1017	7.86811	-0.016		-0.9083	0.05431		
2	0.1016	7.84223	-0.0162		-0.8561			
3	0.0991	4.02406			-0.502		0.52939	-0.9771
3	0.0973	5.49397			-1.2074	-0.5672	1.00806	
2	0.0972	2.73124					0.46118	-1.3054
3	0.0971	7.52645		-1.1708	0.6986			-0.9355
4	0.0971	7.54478		-1.1707	0.68454	0.01004		-0.9307
3	0.0944	8.66451		-0.9994		0.11566		-0.6525
2	0.0935	8.73323		-0.949				-0.6386
2	0.0885	3.82755	-0.0188				0.26494	
2	0.0874	5.58667	-0.0195			-0.2258		
2	0.0872	11.0226		-1.574		0.09576		
2	0.0872	6.60567			-1.5996		0.68197	
3	0.0872	11.0339		-1.5329	-0.0677	0.10704		
1	0.0866	11.0382		-1.5221				
2	0.0866	11.0292		-1.5548	0.0468			
1	0.0835	4.96525	-0.0199					
2	0.0815	4.20342			0.11899			-1.3924
3	0.0815	4.22654			0.10157	0.01247		-1.3864
1	0.0814	4.57452						-1.3149
2	0.0814	4.49866				0.03032		-1.328
2	0.0691	1.76372				-1.08	1.19421	
2	0.0558	8.54992			-1.5355	0.18408		
1	0.0539	8.48			-1.3731			
1	0.0171	1.49439					0.47826	
1	0.0078	4.31115				-0.3166		

LAG 4

Num In	RSquare	Intercept	LALK_4	LCA_4	LCL_4	LDOC_4	LSIO2_4	LSO4_4	LTKN_4	LTPO4_4
Model										
1	0.2737	0.4976								-0.68569
1	0.1416	4.78896		-0.02083						
1	0.1379	0.71297					0.90283			
1	0.0781	1.0268						0.58666		
1	0.0504	2.3811							1.03536	
1	0.0142	1.01821			0.44499					
1	0.0101	1.73954				0.39632				
1	0.0012	2.36362	0.14854							
2	0.4045	-1.2832							1.71768	-0.80355
2	0.4011	-1.81996					0.86793			-0.6726
2	0.3767	-2.10472						0.67536		-0.71822
2	0.3431	-4.79411			1.01657					-0.77788
2	0.313	-4.74621	0.90025							-0.76619
2	0.3049	1.73646		-0.01073						-0.58112
2	0.2957	-1.70269				0.58772				-0.70328
2	0.2485	2.42669		-0.01855			0.80088			
2	0.1789	3.0475		-0.01813				0.41804		
2	0.1742	4.05062		-0.01962					0.83847	
2	0.1675	4.76883	-0.85943				1.14097			
2	0.1589	2.43156		-0.02106	0.48959					
2	0.1444	0.33252					0.76524	0.20626		
2	0.1432	1.63806				-0.32136	0.99092			
2	0.1423	4.38233		-0.02054		0.10585				
2	0.142	4.34091	0.08122	-0.02079						
2	0.1384	1.09956			-0.09253		0.92565			
2	0.138	0.70499					0.92272		-0.06025	
2	0.1203	6.16697	-1.19789					0.97377		
2	0.1191	11.9373	-1.98841						2.76729	
2	0.0866	2.62918			-0.46197			0.76092		
2	0.086	2.10285				-0.44095		0.72942		
2	0.08	1.13295						0.50014	0.27445	
2	0.0728	6.86706			-1.11337				2.22588	
2	0.0583	3.88645				-0.50501			1.45978	
2	0.0393	3.68014	-1.50978		1.60036					
2	0.0146	3.08665	-0.4594			0.71845				
2	0.0143	1.01883			0.40045	0.05941				
3	0.4313	1.39442				-0.94065			2.53174	-0.83125
3	0.4299	-1.97426					0.51229		1.0648	-0.75102
3	0.4298	4.79592	-1.22822						2.75463	-0.76487
3	0.4206	-2.56545					0.62589	0.3612		-0.69365
3	0.4188	-0.76985		-0.00815			0.82722			-0.59376
3	0.4184	-4.3351			0.55475		0.7284			-0.72501
3	0.4137	-1.91052						0.28215	1.2741	-0.7867
3	0.4125	1.47975			-0.67175				2.42549	-0.79119
3	0.4125	-0.52128		-0.00562					1.60845	-0.7413
3	0.4013	-1.63279				-0.06224	0.88511			-0.67048
3	0.4012	-2.14067	0.06323				0.85011			-0.67852

3	0.3835	-1.28041		-0.00528			0.61958		-0.66409
3	0.3807	-3.35634			0.33053		0.55366		-0.74233
3	0.3801	-1.37177				-0.29281	0.76964		-0.71399
3	0.3774	-1.34983	-0.16357				0.72672		-0.70606
3	0.367	-3.43881		-0.00944	0.96557				-0.68126
3	0.3541	-5.01358			1.55955	-0.69635			-0.80627
3	0.3483	-3.44722	-0.70026		1.54141				-0.76285
3	0.3332	-3.01439	0.77703	-0.00878					-0.66958
3	0.3162	-0.09253		-0.009		0.43528			-0.61098
3	0.3131	-4.84696	0.96155			-0.06847			-0.76962
3	0.2754	6.27703	-0.82017	-0.01833			1.02935		
3	0.2648	4.17802		-0.01971		-0.57124	0.95112		
3	0.2493	2.41243		-0.01864			0.85583		-0.16786
3	0.2486	2.3697		-0.01843			0.7848	0.02507	
3	0.2485	2.33481		-0.01858	0.02258		0.79517		
3	0.2364	6.80829	-3.22129		2.17966		1.25785		
3	0.226	12.283	-1.73583	-0.01833					2.36336
3	0.2099	6.72261	-1.51872				0.90499	0.62759	
3	0.2067	6.27937	-2.11133	-0.02292	2.10925				
3	0.2025	6.7787	-0.90884	-0.01661				0.72582	
3	0.2004	9.88341	-1.89742				0.88996		1.63133
3	0.196	6.70281		-0.02096		-0.8513			1.5404
3	0.1908	4.41658		-0.01852		-0.54309		0.59021	
3	0.1832	3.23947		-0.01839				0.28319	0.41993
3	0.179	3.13882		-0.01803	-0.02924			0.42991	
3	0.1785	2.62726		-0.02413	1.23194	-0.9814			
3	0.1782	12.342	-2.45113					0.72893	2.06131
3	0.1774	5.71537		-0.01874	-0.4318				1.30904
3	0.1723	5.15421	-1.20356			0.43028	1.11837		
3	0.1606	1.84784				-0.64172	0.82107	0.38626	
3	0.1522	1.88126			-0.44563		0.76189	0.37603	
3	0.1481	0.10051					0.84096	0.30173	-0.42222
3	0.1456	1.09881			0.29997	-0.56939	0.98494		
3	0.1453	2.16463				-0.48803	0.92003		0.35311
3	0.1423	4.43478	-0.01913	-0.02051		0.11966			
3	0.1388	1.72416			-0.23444		0.88168		0.23917
3	0.135	6.70182	-2.14822		1.02148			0.89556	
3	0.1226	6.36466	-1.41658			0.30355		0.94617	
3	0.1202	11.9188	-2.11742			0.21419			2.69965
3	0.1195	11.756	-2.11248		0.19297				2.66902
3	0.115	6.58434			-1.42082			0.60968	1.62706
3	0.0969	3.18112				-0.75891		0.58589	0.78177
3	0.088	2.66544			-0.2988	-0.24679		0.77927	
3	0.0731	6.91167			-1.04065	-0.11326			2.24331
3	0.0414	3.86626	-1.6135		1.44718	0.31015			
4	0.4587	-0.11242	-2.11825		1.99307		0.96385		-0.66248
4	0.4553	4.10406	-1.22803				0.51222		2.10169
4	0.4547	0.62872				-0.90461	0.49158		1.87408
4	0.4509	5.38152	-1.54532					0.44254	2.32662
4	0.4491	-4.64042			1.4151	-1.19562	0.84186		-0.76553
4	0.4491	0.97023				-1.10393		0.39984	2.04446
4	0.4434	2.54989		-0.00694		-1.0161			2.46217



4	0.4396	4.54879	-0.80472			-0.64955		2.95922	-0.79733
4	0.4395	-1.16254		-0.00614			0.52834	0.92487	-0.68129
4	0.4372	5.45046	-1.21281	-0.00539				2.63684	-0.70565
4	0.4349	-3.22888		-0.00785	0.53385		0.69444		-0.6471
4	0.4337	-2.3204					0.46587	0.18385	0.83494
4	0.4314	1.58056			-0.06211	-0.9163			-0.74481
4	0.4307	-1.00763			-0.22227		0.47344		2.57611
4	0.4301	-1.61079			-0.0062		0.64541	0.28584	-0.82939
4	0.43	4.68415	-1.30644		0.12131				1.34852
4	0.429	-1.43973				-0.46203	0.66776	0.48895	-0.75092
4	0.4265	1.48359			-0.86425			0.35438	-0.62926
4	0.4263	-0.4033	-0.4767				0.67727	0.48509	2.69285
4	0.4243	-3.76298			0.3167		0.6236	0.24574	-0.76463
4	0.4209	-0.05689		-0.00881		-0.20885	0.88154		-0.68534
4	0.419	-1.18952		-0.00464				0.24098	2.07119
4	0.4189	-0.55598	-0.04047	-0.00822			0.83829		-0.7665
4	0.4173	1.52516		-0.00447	-0.5354				-0.65621
4	0.4023	-2.42324	0.24104			-0.20595	0.85679		-0.71684
4	0.399	-3.49137			0.96645	-0.90804		0.61186	-0.58026
4	0.3955	-0.80847	-1.21039		1.13284			0.63829	0.24098
4	0.3937	-3.31551		-0.0128	1.83857	-1.14292			1.24859
4	0.3897	-2.72482		-0.00615	0.41758			0.45657	-0.73773
4	0.388	-0.37237		-0.0057		-0.33649		0.72348	-0.58932
4	0.3841	-0.59654	-0.14962	-0.00523				0.66701	2.19491
4	0.3803	-1.7406	0.11062			-0.34941		0.75313	-0.74417
4	0.3798	-1.03424	-1.12316	-0.01114	1.79818				-0.68816
4	0.371	8.89231	-3.62213	-0.02066	2.59042		1.15408		-0.77562
4	0.3562	-4.09474	-0.46384		1.84119	-0.6117			-0.71093
4	0.3346	-3.28615	0.98835	-0.00922		-0.24282			-0.6934
4	0.2968	10.3471	-1.66323	-0.01743			0.83145		-0.68557
4	0.2934	2.62213		-0.02293	1.09641	-1.51868	0.92273		-0.65492
4	0.2903	7.32195	-1.22962	-0.01643			0.89583	0.38588	-0.65341
4	0.2756	6.21397	-0.74885	-0.01853		-0.08865	1.03279		-0.72139
4	0.2708	4.21293		-0.019		-0.75385	0.851	0.23091	-0.63976
4	0.2694	4.98093		-0.01994		-0.81878	0.84662		-0.79287
4	0.2536	7.78679	-3.28015		1.8263		1.08078	0.42051	-0.67698
4	0.2534	0.13084		-0.01964	0.54613		0.94781		1.32192
4	0.2528	12.5186	-2.09258	-0.01586				0.50841	0.92273
4	0.2501	2.20382		-0.01828			0.83329	0.0879	0.38588
4	0.2486	2.37941		-0.01842	-0.0031		0.78477	0.02634	1.03279
4	0.2397	7.74909	-2.4135	-0.01926	1.66687			0.55864	-0.08865
4	0.2388	11.2622	-2.43296	-0.0201	1.12231				-0.75385
4	0.238	6.70224	-3.16164		2.32098	-0.26604	1.2794		0.851
4	0.2365	7.10287	-3.21803		2.10913		1.23637		0.84662
4	0.2301	10.5306	-2.2533				0.7385	0.53623	0.84662
4	0.228	12.3192	-1.55291	-0.01892		-0.29009			0.51809
4	0.2169	6.08383	-1.92521	-0.02501	2.51141	-0.72042			1.08078
4	0.2117	6.05088		-0.01953					0.42051
4	0.2111	6.86249	-1.675			-0.99319		0.38194	-0.87117
4	0.2027	6.72508	-0.83884	-0.0168		0.21922	0.9003	0.60945	0.50841
4	0.2014	9.86873	-2.01557			-0.09273		0.73151	1.92536
4	0.2005	3.37671		-0.02111	0.7242	-1.02798			-0.27125

4	0.1971	5.91344		-0.0218	0.31039	-0.98203			1.30994
4	0.1905	5.677		-0.01667	-0.68665			0.35642	1.06001
4	0.1782	12.2869	-2.48772		0.05795			0.72788	2.03281
4	0.1782	12.3402	-2.45953			0.01489		0.72804	2.05747
4	0.1606	1.91624			-0.03594	-0.61779	0.81872	0.39324	
4	0.1606	1.90039				-0.65539	0.81565	0.38176	0.03688
4	0.1526	2.50433			-0.58719		0.71804	0.376	0.23861
4	0.1458	1.52094			0.19923	-0.5624	0.95449		0.16164
4	0.1351	6.72008	-2.16129		1.00117	0.04436		0.89308	
4	0.1204	11.8205	-2.17319		0.10659	0.19301			2.65206
4	0.1173	6.69902			-1.22861	-0.31575		0.63054	1.65515
5	0.4899	2.28356	-2.53698	-0.01108	2.24789		0.96247		-0.54015
5	0.4857	-3.01385		-0.01231	1.68561	-1.61708	0.82862		-0.65767
5	0.4782	-0.93024	-1.83217		2.49632	-0.96931	1.02404		-0.70378
5	0.4684	1.8345		-0.0074		-0.98384	0.5091		1.7764
5	0.468	2.63986	-2.04371		1.26505		0.7333		1.17563
5	0.4674	4.67936	-1.47574				0.42492	0.34565	1.87867
5	0.4667	0.67385	-2.17726		1.75491		0.84794	0.2872	-0.65119
5	0.4645	0.42929				-1.03533	0.41138	0.30572	1.60878
5	0.4642	4.80168	-1.21112	-0.00591			0.52767		1.9527
5	0.4637	3.89367	-0.83567			-0.60181	0.49846		2.30878
5	0.4636	5.14051	-1.0839			-0.74202		0.47375	2.53015
5	0.4595	-1.56265			0.67312	-1.16037	0.60338		1.24368
5	0.4569	1.96339		-0.00567		-1.14694		0.35411	2.04331
5	0.4563	-4.013			1.17051	-1.22249	0.72823	0.27244	-0.75738
5	0.4542	5.78104	-1.50861	-0.00369				0.40602	2.28136
5	0.4509	5.34111	-1.57234		0.04276			0.44177	2.30559
5	0.45	5.29457	-0.72066	-0.00645		-0.75017			2.84982
5	0.4497	1.59688			-0.21239	-1.02443		0.40911	2.18487
5	0.4447	1.68696		-0.00785	0.3386	-1.15879			2.21117
5	0.4416	4.09807	-1.03416		0.45051	-0.74321			2.75929
5	0.4413	-1.47698		-0.00559			0.49453	0.12819	0.77719
5	0.4406	-0.22742		-0.00693		-0.52205	0.69499	0.42138	-0.61235
5	0.4395	-1.25482		-0.0062	0.02283		0.53247		0.89452
5	0.4389	5.16954	-1.47854	-0.00623	0.41581				2.4067
5	0.4363	-0.47775			-0.44841		0.37308	0.2409	1.33597
5	0.4362	-3.05074		-0.00708	0.41633		0.64515	0.12344	-0.65069
5	0.4355	0.50652	-0.46888	-0.00614			0.69576	0.40842	-0.59307
5	0.4295	-0.81221	-0.18857			-0.36855	0.67961	0.51211	-0.67221
5	0.428	1.51036		-0.00267	-0.76546			0.32244	1.9654
5	0.4222	-0.94043	0.27303	-0.00888		-0.37272	0.84944		-0.59961
5	0.4187	-2.55891		-0.0095	1.30099	-1.19383		0.48029	-0.69848
5	0.4095	0.42864	-1.41914	-0.00777	1.38117			0.53025	-0.63382
5	0.4075	-1.48556	-0.9421		1.48412	-0.75552		0.66796	-0.74559
5	0.4005	8.74419	-3.41079	-0.02409	3.31698	-1.23944	1.23724		
5	0.4003	-1.56242	-0.82486	-0.0137	2.35899	-1.02371			-0.66165
5	0.3886	-0.9936	0.19593	-0.00588		-0.43815		0.69275	-0.66614
5	0.3796	6.08688	-3.68287	-0.02211	3.32602		1.36201		-1.15238
5	0.3711	8.95709	-3.62316	-0.02044	2.55492		1.13951	0.03716	
5	0.3061	10.6848	-1.88877	-0.016			0.74836	0.31108	1.15801
5	0.3057	-0.91361		-0.02509	2.04943	-1.66909	1.18221		-1.40884
5	0.2986	10.3837	-1.48501	-0.01801		-0.2827	0.83088		1.39913

5	0.2934	2.59049		-0.02304	1.11669	-1.5212	0.93043	-0.01897	
5	0.291	7.22203	-1.09764	-0.01678		-0.17654	0.89941	0.39536	
5	0.2728	4.76393		-0.01931		-0.88914	0.79852	0.18445	0.36008
5	0.2611	11.6683	-2.63322	-0.01749	0.91487			0.46903	1.46149
5	0.256	12.5706	-1.86833	-0.01655		-0.36965		0.52102	2.01452
5	0.2558	7.67978	-3.21083		1.98655	-0.31404	1.10293	0.42833	
5	0.2537	8.0738	-3.27697		1.75759		1.05987	0.42046	0.1121
5	0.2534	0.14032		-0.01962	0.54177		0.94613	0.00367	-0.86989
5	0.2504	7.56011	-2.22516	-0.02137	2.07545	-0.73804		0.56295	
5	0.2478	10.9865	-2.25213	-0.02211	1.51841	-0.67693			1.72033
5	0.238	6.91113	-3.1601		2.2695	-0.26268	1.26399		0.08103
5	0.2301	10.5226	-2.28312			0.0532	0.7392	0.53284	1.2909
5	0.2118	5.88069		-0.01974	0.07009	-1.02096		0.37722	1.0464
5	0.1782	12.2881	-2.48881		0.05628	0.0038		0.72768	2.03265
5	0.1608	2.31888			-0.13195	-0.61109	0.78974	0.39304	0.15434
6	0.5283	1.85384	-2.25242	-0.01463	3.0658	-1.41828	1.05009		-0.56142
6	0.491	2.44118	-2.53312	-0.01035	2.13577		0.91613	0.11503	-0.54366
6	0.4907	3.01334	-2.48326	-0.0103	1.99246		0.88734		0.38358
6	0.487	-0.11918	-1.88769		2.25673	-0.99237	0.90303	0.30336	-0.69283
6	0.4865	1.69651	-1.76857		1.79449	-0.94561	0.8042		1.11347
6	0.4864	-2.22407		-0.01154	1.45394	-1.58062	0.7604		0.36007
6	0.4862	-2.90415		-0.0118	1.60532	-1.60718	0.79708	0.07693	-0.65984
6	0.4782	4.497	-1.05354			-0.68536	0.40057	0.38003	2.09233
6	0.4756	3.36473	-2.10281		1.04372		0.6235	0.2816	1.15596
6	0.4755	4.67127	-0.74668	-0.00691		-0.708	0.51408		2.17133
6	0.4746	1.52011		-0.00646		-1.07919	0.44218	0.24658	1.57485
6	0.4725	5.13696	-1.42581	-0.0046			0.4499	0.29435	1.79581
6	0.4689	5.63248	-0.9962	-0.00474		-0.80722		0.42959	2.48989
6	0.4664	-0.98769			0.44297	-1.18719	0.49506	0.26723	1.22733
6	0.4652	4.73241	-1.28704		0.40321	-0.82512		0.46999	2.35462
6	0.458	4.58738	-1.18636	-0.00876	0.97342	-0.98853			2.37872
6	0.4571	1.67595		-0.00602	0.11795	-1.19371		0.34617	1.96526
6	0.4548	5.60323	-1.66186	-0.00424	0.25117			0.39605	2.15106
6	0.4416	-0.87162		-0.00509	-0.16556		0.45772	0.15421	0.96732
6	0.4408	0.08647	-0.09861	-0.00685		-0.47245	0.70087	0.43428	-0.60635
6	0.4305	-0.09284	-1.11955	-0.01034	1.94574	-1.03785		0.53532	-0.65596
6	0.4162	4.85789	-3.46637	-0.02654	4.42755	-1.40446	1.5349		-1.58827
6	0.4005	8.7435	-3.41077	-0.02409	3.31739	-1.2395	1.2374	-0.0004	
6	0.3796	6.10601	-3.68294	-0.02206	3.31733		1.35865	0.00737	-1.1498
6	0.3087	10.7414	-1.68792	-0.01663		-0.33287	0.74437	0.32349	1.24238
6	0.306	-1.0779		-0.0255	2.13152	-1.67985	1.21158	-0.06106	-1.43372
6	0.2708	11.389	-2.44914	-0.01954	1.32123	-0.6993		0.47541	1.4241
6	0.2558	7.86466	-3.20946		1.94101	-0.31105	1.08932	0.42822	0.07182
7	0.5288	1.95981	-2.25183	-0.01413	2.98695	-1.40866	1.0192	0.0752	-0.56357
7	0.5283	1.75478	-2.25868	-0.01475	3.10266	-1.42292	1.06043		-0.05133
7	0.495	2.43975	-1.82432		1.57345	-0.96871	0.68986	0.29769	1.09116
7	0.4922	3.31224	-2.46998	-0.00936	1.82375		0.82268	0.12947	0.44744
7	0.4871	-1.98727		-0.01083	1.32746	-1.56397	0.71379	0.09118	0.40875
7	0.4855	5.02874	-0.94879	-0.00554		-0.7578	0.42808	0.3219	2.01513
7	0.4745	5.02015	-1.36861	-0.00677	0.81408	-1.00303		0.403	2.11818
7	0.4164	4.72774	-3.46463	-0.02686	4.48994	-1.41293	1.55747	-0.04729	-1.60745
8	0.5288	1.9393	-2.25309	-0.01416	2.99477	-1.40964	1.02144	0.07484	-0.01036



## LAG 5

Number	RSquare	Intercept	LALK_5	LCA_5	LCL_5	LDOC_5	LSIO2_5	LSO4_5	LTKN_5	LTPO4_5
In Model										
8	0.7192	11.92567	-2.23798	-0.022	-2.00487	1.373	1.18093	0.84368	1.61581	-0.58999
7	0.6988	14.40631	-2.07643	-0.02555	-2.30014	1.53345	1.72521		1.44136	-0.51414
7	0.6972	10.36147	-3.61478	-0.01968		1.00232	1.43944	0.97791	1.09411	-0.52685
7	0.6966	10.69022	-2.24709	-0.02619	-1.3418	1.38806	1.41849	0.74289		-0.45652
7	0.6911	7.40691	-1.07187	-0.01917	-2.56417	1.62103		1.37902	2.02021	-0.71419
7	0.6911	8.57912		-0.02433	-3.57974	1.59593	0.56442	0.75968	1.62401	-0.6082
7	0.6744	13.40683	-2.81724	-0.02193	-0.90312		1.52166	1.06048	1.65104	-0.48327
7	0.6463	7.61569	-2.8527		-1.30468	1.36573	0.78597	1.33179	2.61154	-0.80874
7	0.5914	14.94802	-2.55229	-0.03629	-0.75835	0.66418	2.31422	0.16301	-0.4573	
6	0.6856	9.81708	-3.2765	-0.02344		1.10667	1.55472	0.86785		-0.4415
6	0.6823	6.75722		-0.02167	-3.40819	1.68251		1.13988	1.88671	-0.68351
6	0.6807	13.02203	-2.1021	-0.02895	-1.66905	1.52974	1.88113			-0.40172
6	0.6745	11.04803		-0.0274	-3.74442	1.72685	1.09841		1.46526	-0.53822
6	0.6692	13.03235	-3.66369	-0.02349		1.12796	2.13063		0.79586	-0.42579
6	0.6692	12.36795	-3.46276	-0.02071			1.60974	1.10052	1.37006	-0.46511
6	0.6683	7.32369		-0.02855	-2.91973	1.61198	0.80067	0.65802		-0.47413
6	0.6541	4.58361	-0.77504	-0.02394	-1.83933	1.70655		1.3881		-0.57137
6	0.6528	3.92885	-2.59957	-0.01517		1.19006		1.72148	1.43015	-0.66522
6	0.6509	12.16076	-2.83305	-0.02621	-0.21308		1.76828	0.9599		-0.34566
6	0.6413	16.84575	-2.6956	-0.02652	-1.1189		2.27858		1.43031	-0.36882
6	0.6366	6.86566	-3.73913			1.11581	0.98873	1.38773	2.1882	-0.75051
6	0.6333	4.85847	-1.98676		-1.75625	1.53888		1.66044	2.80375	-0.87556
6	0.628	9.32531		-0.02497	-2.73751		0.78423	0.99634	1.66933	-0.48443
6	0.6253	7.62785	-1.3743	-0.01807	-1.39286			1.84144	2.20942	-0.6259
6	0.6143	8.32635	0.54287	-0.02437	-3.84174	2.25575			2.04778	-0.67122
6	0.602	9.10297	-3.42692		-0.211		1.12618	1.54586	2.64337	-0.70188
6	0.5993	2.62366			-3.27495	1.65739	-0.07826	1.28929	2.7606	-0.86303
6	0.5906	15.399	-2.50876	-0.03666	-0.85654	0.71841	2.40014		-0.43745	
6	0.5903	10.72282	-2.7443		-1.62186	1.64308	1.6226		2.58787	-0.7382
6	0.5889	15.71329	-2.57701	-0.03591	-0.9103	0.59423	2.32173	0.1418		
6	0.5881	14.18311	-3.09656	-0.03473		0.54471	2.36983	0.24692	-0.57879	
6	0.5799	15.44663	-2.83103	-0.03487	-0.29079		2.38665	0.34438	-0.23842	
6	0.5796	3.85077	-3.08371		0.15359	1.39078	1.08326	1.3174		-0.64061
6	0.5554	-3.93922		-0.02127		0.78899	0.14714	1.0449	-0.16118	-0.42874
6	0.5548	11.22172		-0.03946	-2.51814	0.89446	1.64813	0.04271	-0.5212	
6	0.4566	5.41343	0.14893	-0.03674	-1.48742	0.90683		1.12577	-0.53596	
6	0.3301	8.01662	-4.14152		1.7678	0.07723	2.36905	0.6753	0.03622	
5	0.6629	12.39824	-3.40571	-0.02599		1.19566	2.15876			-0.37027
5	0.6557	9.59829		-0.03088	-3.1209	1.72551	1.24907			-0.42421
5	0.6506	11.93652	-3.00738	-0.02568			1.78078	0.9754		-0.34709
5	0.6494	4.24251		-0.02555	-2.49627	1.74767		1.21152		-0.55572
5	0.6331	15.70926	-3.4969	-0.02522			2.42442		1.06861	-0.34072
5	0.6326	2.50896	-2.03729	-0.01972		1.35005		1.65379		-0.56569
5	0.6234	15.4662	-2.7196	-0.0299	-0.49548		2.43197			-0.25761
5	0.6141	2.69848	-2.96679			1.23549		1.86846	2.25131	-0.81497
5	0.6125	5.44108	-2.26915	-0.01577				1.97717	1.81349	-0.61013
5	0.6112	8.88106		-0.02327	-3.41499	2.28906			2.14258	-0.68714

5	0.6106	6.7967		-0.02125	-2.42916		1.55424	2.0457	-0.5818
5	0.6039	8.0422		-0.02932	-2.05019		1.02941	0.89427	-0.3453
5	0.6017	8.9077	-3.57618				1.15302	1.54907	2.56138
5	0.5991	2.80925			-3.29685	1.64475		1.23824	2.73864
5	0.5986	12.73069		-0.02917	-2.86617		1.52722		1.46066
5	0.5882	16.07877	-2.53799	-0.03625	-0.99043	0.64433	2.39661		
5	0.586	14.7543	-3.14028	-0.03501		0.60762	2.52096		-0.57212
5	0.5838	15.00126	-3.2754	-0.03381		0.4192	2.39475	0.24104	
5	0.5808	4.53761	-1.06559	-0.02324	-0.52828			1.87823	-0.46381
5	0.5795	3.87086	-2.96165			1.4273	1.06104	1.30902	-0.64507
5	0.5793	15.07805	-3.04414	-0.03431			2.40501	0.3665	-0.3078
5	0.5791	15.83796	-2.82849	-0.03475	-0.40126		2.38658	0.32224	
5	0.5762	5.4704	0.85456	-0.02923	-3.11547	2.34668			-0.52615
5	0.5757	16.58921	-2.78275	-0.03547	-0.43026		2.60005		-0.15078
5	0.5752	9.94476	-3.85188			1.34382	1.9214		2.05493
5	0.5738	5.20874	-2.22447		-0.6854			2.08527	2.94088
5	0.5552	-4.07024		-0.02067		0.76847	0.10815	1.0641	-0.44131
5	0.5548	-4.26948		-0.02059		0.82284		1.14396	-0.06706
5	0.5547	11.35826		-0.03955	-2.53623	0.90781	1.67395		-0.51565
5	0.5543	-0.45102	-1.88016		-0.33445	1.63886		1.78184	-0.7178
5	0.5514	12.05392		-0.03906	-2.71101	0.81718	1.64933	0.01718	
5	0.5468	5.81915			-3.50982	1.91547	0.76449		2.73217
5	0.5379	-1.86784		-0.02203			0.32557	1.14005	0.09993
5	0.5337	5.31894	-3.67146		1.28568		1.43348	1.53527	-0.52968
5	0.533	11.35		-0.03796	-2.1327		1.64769	0.27819	-0.22461
5	0.5311	3.23542			-2.391		0.13256	1.5499	2.839
5	0.5249	6.95841	-2.9744		-0.17328	1.66493	1.90827		-0.57234
5	0.5245	-1.80394			-1.89573	1.70908	0.16314	1.27036	-0.68915
5	0.5241	13.19365	-3.43677		-0.3251		2.21296		2.62271
5	0.5234	-1.28971		-0.02537		0.92027	0.86766		-0.49832
5	0.5162	2.76999	-1.38355	-0.01974		1.78839		1.05061	-0.56924
5	0.5154	5.14962	-0.24479		-3.10543	2.31951		3.10969	-0.87655
5	0.4845	-8.25995				0.90401	-0.38937	1.49143	0.97748
5	0.4812	0.97021		-0.03366		0.43195	1.07994	0.42568	-1.40943
5	0.4676	9.17416	0.92578	-0.02539	-2.65169				2.36568
5	0.4564	5.49583		-0.03648	-1.35737	0.89337		1.15911	-0.53249
5	0.4531	6.27458	0.13021	-0.03629	-1.66839	0.82573		1.10456	
5	0.4433	3.4177	-0.81354	-0.03363		0.67867		1.34069	-0.78369
5	0.4348	5.68995	-0.11929	-0.0348	-0.87318			1.41788	-0.23706
5	0.4048	6.27141	1.42122	-0.04015	-2.5955	1.46625			-0.38624
5	0.3301	7.94948	-4.14087		1.7821	0.08234	2.3685	0.67743	
5	0.3299	8.10928	-4.16761		1.81223		2.37752	0.69474	0.06026
5	0.3151	9.64439	-4.02452		1.45775	0.28372	2.73918		0.14269
5	0.3087	9.28749	-2.84661			0.33364	2.2242	0.5069	0.42441
5	0.228	0.58287			-0.87328	0.3844	1.23425	0.54569	0.000556
5	0.1887	-1.83347	-1.39539		1.05285	0.31836		1.66757	-0.03815
4	0.6215	15.06022	-3.1295	-0.02878			2.48715		-0.25762
4	0.5818	15.54979	-3.31608	-0.03408		0.48204	2.54204		
4	0.58	11.28419		-0.03264	-2.24528		1.67707		-0.26305
4	0.5787	3.84074	-1.47107	-0.02187				1.93334	-0.46947
4	0.578	15.44284	-3.15795	-0.03382			2.41504	0.34657	
4	0.5754	16.79512	-2.78311	-0.03536	-0.496		2.59112		

4	0.5745	16.13858	-3.10336	-0.03466		2.64901		-0.2481
4	0.5718	4.06281		-0.02545	-1.3959		1.64963	-0.43851
4	0.5705	4.21997	-2.63842				2.14039	2.68383
4	0.5684	6.15364		-0.02782	-2.37098	2.40736		-0.54103
4	0.5548	-4.2909		-0.02038		0.80832	1.14049	-0.45465
4	0.5534	-0.70339	-2.10697			1.56566	1.82356	-0.71111
4	0.5514	12.10559		-0.0391	-2.7175	0.82291	1.65978	
4	0.5378	-1.74817		-0.02243			0.3538	1.12922
4	0.5347	-2.43129		-0.02053			1.38079	0.34576
4	0.5323	11.72215		-0.03784	-2.23521		1.64825	0.2574
4	0.5306	2.92251			-2.34147		1.64162	2.87802
4	0.5303	12.33266		-0.0384	-2.22028		1.83086	-0.15376
4	0.5247	6.95804	-3.1132			1.62517	1.93969	-0.56675
4	0.5236	-2.27587			-1.82549	1.73698	1.37913	-0.70227
4	0.5234	12.90553	-3.66703				2.25784	2.49619
4	0.5206	-1.55445		-0.02369		0.86206	0.78488	-0.35318
4	0.5195	5.92756	-2.56471				1.29826	1.50768
4	0.5147	4.81296			-3.29531	2.30482		3.08704
4	0.5051	1.74974	-1.00163	-0.02298		1.8897		-0.87333
4	0.4992	1.44924		-0.02672			1.15669	-0.22544
4	0.4866	-0.35423	-2.12856		0.8839		2.24205	-0.25323
4	0.4832	-2.16011		-0.02219		1.42985		-0.61028
4	0.4796	-7.6832				0.81363		0.18581
4	0.4757	1.86038		-0.03334			1.12531	0.51843
4	0.4749	1.64017		-0.03411		0.53875	1.31145	-1.18259
4	0.4735	1.39006			-2.14119	1.96288	0.99119	-1.41823
4	0.4716	-8.1841				1.08347	-0.20823	0.99119
4	0.4614	-6.05323					-0.20609	1.44082
4	0.4586	10.15166		-0.02352	-1.886			1.61954
4	0.4568	9.41119	-3.67934		1.16074			1.32545
4	0.4534	1.11636		-0.03104			2.51049	-0.52996
4	0.4529	6.34181		-0.03607	-1.55356	0.08141	0.94831	-0.42109
4	0.4528	7.31992			0.81441		1.13385	
4	0.4528	7.31992			-2.51168		1.21933	2.81886
4	0.4519	-1.30231			-0.94298		0.3878	-0.63053
4	0.4488	0.99496	-1.73526				1.53878	-0.5585
4	0.4488	0.99496	-1.73526			1.91727		2.10382
4	0.4354	4.37575	-1.02396	-0.03235		0.51001		-0.75825
4	0.4347	5.62551		-0.03498	-0.97271		1.34833	
4	0.4341	6.07932	-0.11684	-0.03467	-0.983		1.394	-0.23626
4	0.4341	6.07932	-0.11684	-0.03467	-0.983		1.39584	
4	0.431	0.19091		-0.03342		0.5972	1.15789	-1.09925
4	0.4297	4.33695	-0.7056	-0.03308			1.51053	-0.44861
4	0.4176	4.94639	-0.5536	-0.02182				1.58162
4	0.4174	-0.76279	0.01679		-1.62609	2.49511		-0.45663
4	0.4164	5.8938	1.30607	-0.03109	-1.75162			-0.70026
4	0.4135	-5.43459				1.14273	0.57049	-0.33035
4	0.403	6.88358	1.3903	-0.03979	-2.71148	1.39986		0.7946
4	0.3829	7.64889		-0.03819	-1.35321	1.50596		-0.56868
4	0.36	5.88535	0.11542		-1.84853			-0.28534
4	0.3577	2.54476	-0.04259	-0.03516		1.21937		3.48279
4	0.337	7.23229	1.54041	-0.03813	-1.96656			-0.71605
4	0.3299	8.00313	-4.16949		1.84222		2.37753	-0.83205
4	0.3148	9.39785	-4.02049		1.51072	0.30663	2.74162	0.26394
4	0.3127	10.19961	-4.11498		1.59906		2.81526	0.25056

4	0.3063	8.55804	-2.70398			0.42581	2.20205	0.51675		
4	0.3054	9.87476	-2.81621				2.24694	0.57854	0.58369	
4	0.2999	10.39025	-2.93304			0.46043	2.53467		0.45454	
4	0.228	0.58186			-0.87305	0.38447	1.23424	0.54573		
4	0.2239	0.8168			-0.73142		1.24096	0.64074	0.12213	
4	0.2182	-2.7499				0.23573	1.03961	0.66424	-0.36964	
4	0.2181	2.07601			-1.06456	0.54512	1.56101		0.08788	
4	0.1887	-1.76516	-1.39539		1.03761	0.31303		1.66557		
4	0.1859	-1.59392	-1.46326		1.22741			1.76337	0.06096	
4	0.1809	-0.68959	-0.70716			0.46594		1.52768	0.20169	
4	0.1717	-3.17423			-0.08209	0.41299		1.36889	-0.03817	
4	0.0698	-1.54872	0.35475		-0.29891	1.10095			0.26586	
3	0.5736	16.38876	-3.19345	-0.03425				2.64637		
3	0.533	-2.11986		-0.0217				1.42502		-0.4106
3	0.5299	12.54208		-0.03829	-2.28756		1.82165			
3	0.4987	1.24399		-0.02589			1.10933			-0.2711
3	0.4828	-2.08214		-0.02278		1.47568				-0.44557
3	0.4797	0.456	-1.44766					2.17528		-0.61623
3	0.4701	-7.85579				1.01226		1.298		-0.6012
3	0.4659	3.00608		-0.03382			1.43777		-1.12172	
3	0.46	-5.85542						1.47134	1.20993	-0.60192
3	0.4532	1.30423		-0.03106			0.96274	0.45718		
3	0.447	-2.43002			-0.73434			1.81394		-0.58522
3	0.4468	1.80597		-0.03148		0.18894	1.18545			
3	0.4452	9.8951	-2.67827				2.37069			-0.43732
3	0.4359	-5.30336					0.1113	1.5828		-0.54728
3	0.434	6.01491		-0.03485	-1.08013			1.37253		
3	0.4268	4.80426	-0.85756	-0.03235				1.48839		
3	0.4203	1.39572		-0.03296				1.33144	-0.7622	
3	0.4174	-0.7425			-1.61222	2.49621				-0.70039
3	0.4136	0.38417		-0.03134		0.30012		1.09583		
3	0.4116	2.50556		-0.02274					1.13986	-0.41475
3	0.4049	-5.45098				1.28292	0.69204			-0.53501
3	0.3979	6.96946		-0.02898	-0.54339					-0.34558
3	0.3958	-2.15074	-0.9582			2.21096				-0.66233
3	0.3953	-5.67594				1.47366			1.15335	-0.64021
3	0.3919	3.55629	0.11115	-0.02703						-0.33658
3	0.3819	8.08145		-0.03794	-1.45947	1.45599				
3	0.3757	-2.26651					0.91418		1.22435	-0.50234
3	0.3747	2.78505			-1.07301		1.46503			-0.44972
3	0.3599	6.0478			-1.75436				3.4947	-0.7171
3	0.3576	2.35792		-0.03513		1.21004			-0.85063	
3	0.3487	3.55699	-0.26141	-0.03381		1.04352				
3	0.3361	6.81164	1.56728	-0.03833	-1.8597					
3	0.3347	3.1439	-0.87875						2.79742	-0.65814
3	0.3119	9.82239	-4.1211		1.71945		2.83131			
3	0.3112	8.75695		-0.03593	-0.59852				0.39267	
3	0.3088	4.16078	0.36828	-0.03445					-0.17469	
3	0.3003	9.00441	-2.58449				2.22259	0.62403		
3	0.2971	9.63092	-2.78188			0.56191	2.51739			
3	0.2932	11.47401	-2.90653				2.63183		0.69304	
3	0.236	-0.73416	0.44189		-0.06896					-0.50306



3	0.2237	0.59486			-0.67293		1.23994	0.65274	
3	0.218	1.92879			-1.03038	0.55907	1.56324		
3	0.2165	-2.24257					1.06469	0.71383	-0.25074
3	0.2161	-2.62849				0.14244	1.00386	0.66235	
3	0.2092	2.83157			-0.89856		1.65833		0.29709
3	0.2028	-1.77459				0.39952	1.40275		-0.36168
3	0.1859	-1.70134	-1.46516		1.25775			1.76938	
3	0.1804	-0.99059	-0.6492			0.50934		1.52753	
3	0.1745	-0.00914	-0.63387					1.64278	0.42185
3	0.1717	-3.10588			-0.09734	0.40766		1.36689	
3	0.1716	-3.47476				0.39619		1.36766	-0.0781
3	0.167	-2.94475			0.075			1.47586	0.09228
3	0.0691	-1.90507	0.18248			1.07488			0.19767
3	0.0689	-2.02698	0.36952		-0.20306	1.14502			
3	0.0683	-1.09238			-0.00616	1.11588			0.28372
3	0.031	-0.51823	0.48627		0.0913				0.73526
2	0.4455	2.34616		-0.03158			1.24739		
2	0.4354	-5.38598						1.67324	-0.55723
2	0.4104	1.06348		-0.03144				1.21003	
2	0.3915	4.17638		-0.02719					-0.3391
2	0.3753	-5.78483				1.81202			-0.61061
2	0.3539	-1.65214					1.18435		-0.43335
2	0.3471	2.41833		-0.03343		0.95161			
2	0.3192	-0.95412							2.16228 -0.60389
2	0.3091	8.16566		-0.03618	-0.40237				
2	0.3083	4.34541	0.30239	-0.03416					
2	0.3057	6.02063		-0.03464					0.0457
2	0.2859	10.57669	-2.63584				2.63896		
2	0.236	-0.80038	0.39318						-0.50233
2	0.2338	-0.19364			0.31858				-0.5043
2	0.2155	-2.30426					1.02919	0.69711	
2	0.208	2.37116			-0.76018		1.67531		
2	0.2009	-1.6585				0.30778	1.36675		
2	0.1978	-0.73756					1.49605		-0.14806
2	0.1718	-0.56241	-0.48304					1.66739	
2	0.1715	-3.44298				0.37474		1.36199	
2	0.1669	-2.63774						1.4814	0.1371
2	0.1669	-3.11013			0.1187			1.48441	
2	0.0685	-2.19995	0.2392			1.11736			
2	0.0683	-1.1151				1.11457			0.2807
2	0.0673	-1.58387			0.10945	1.16371			
2	0.031	-0.39822	0.54154						0.76025
2	0.0284	0.12971			0.5019				0.76863
2	0.0238	-1.81874	0.54589		0.42301				
1	0.3056	6.07067		-0.03475					
1	0.2313	1.33387							-0.5149
1	0.1974	-0.79536					1.46885		
1	0.1666	-2.60977						1.50579	
1	0.0671	-1.19574				1.20409			
1	0.0242	2.3078							1.09244
1	0.0222	-1.41808	0.84881						
1	0.0204	-1.15393			0.90354				

LAG 6

Number	RSquare	Intercept	LALK_6	LCA_6	LCL_6	LDOC_6	LSIO2_6	LSO4_6	LTKN_6	LTPO4_6
In Model										
8	0.7168	6.76901	1.4304	-0.0255	-3.87271	0.48626	0.34925	0.05626	3.90317	-0.78954
7	0.7167	6.64531	1.44063	-0.02537	-3.86165	0.4909	0.42645		3.86985	-0.79131
7	0.7159	7.6284	1.41509	-0.02602	-3.90179	0.48551		0.16397	3.98116	-0.78127
6	0.7144	7.96321	1.44969	-0.02591	-3.87837	0.50814			3.8999	-0.78096
7	0.7136	7.85487	1.46535	-0.02668	-3.82705		0.34733	0.07308	4.183	-0.80321
6	0.7135	7.70724	1.47911	-0.02652	-3.81207		0.44787		4.14307	-0.80568
6	0.7128	8.70789	1.45008	-0.02719	-3.85604			0.18017	4.26013	-0.79496
5	0.7109	9.133	1.49007	-0.02714	-3.82783				4.18477	-0.79532
7	0.6938	12.10891		-0.02623	-3.36857	0.57199	0.25177	0.14718	4.12024	-0.69185
6	0.6934	12.68898		-0.0266	-3.3935	0.57079		0.22435	4.17495	-0.68663
6	0.6931	11.88259		-0.02589	-3.32975	0.58589	0.45425		4.03616	-0.69467
5	0.6906	13.32209		-0.02648	-3.344	0.6049			4.06929	-0.683
6	0.6894	13.54591		-0.02765	-3.30008		0.24668	0.16967	4.45709	-0.70517
5	0.689	14.11133		-0.02801	-3.32464			0.24524	4.51	-0.70003
5	0.6885	13.32446		-0.0273	-3.25323		0.48083		4.36927	-0.70882
4	0.6856	14.90071		-0.02797	-3.2657				4.41587	-0.69692
7	0.6371	3.2882	1.57337		-4.57738	1.05084	0.99014	-0.17633	4.08877	-1.00687
6	0.6361	3.62576	1.54301		-4.62474	1.0455	0.75361		4.19867	-1.00488
6	0.6298	5.61097	1.53684		-4.70507	1.08235		0.12694	4.32948	-0.99549
5	0.6289	5.87654	1.56328		-4.68448	1.09807			4.26546	-0.9946
6	0.6214	5.39968	1.66835		-4.54774		1.05364	-0.16256	4.74756	-1.0611
5	0.6205	5.7011	1.63991		-4.59155		0.83519		4.84584	-1.05902
7	0.6189	-2.04194	1.76959	-0.02699	-2.46381	1.55873	1.12555	-0.40651		-0.60553
6	0.6132	-1.66517	1.71259	-0.02813	-2.45632	1.59381	0.5771			-0.5796
5	0.6131	7.94367	1.63245		-4.68293			0.16123	5.02528	-1.05071
4	0.6116	8.32548	1.66793		-4.65626				4.95652	-1.05059
6	0.6093	0.26264	1.74084	-0.02883	-2.46694	1.6285		-0.07444		-0.56524
6	0.6092	9.06821			-4.04364	1.16335	0.90297	-0.08343	4.33412	-0.90601
5	0.609	9.17624			-4.0712	1.15976	0.79072		4.38439	-0.90599
5	0.609	0.03564	1.72776	-0.02891	-2.4642	1.62883				-0.56333
5	0.6031	11.0682			-4.17165	1.18976		0.19175	4.54889	-0.89775
4	0.601	11.61596			-4.12629	1.21653			4.45707	-0.89383
5	0.5899	11.80977			-3.97471		0.96786	-0.06183	5.0847	-0.95966
4	0.5897	11.88363			-3.99531		0.88445		5.12027	-0.95952
6	0.5832	4.03821		-0.02801	-1.73356	1.74098	1.05746	-0.32479		-0.47023
4	0.5828	14.0238			-4.11046			0.23412	5.33358	-0.9521
6	0.58	-0.31253	1.99527	-0.0319	-1.90537		1.33013	-0.4688		-0.60733
3	0.5797	14.77756			-4.05311				5.24257	-0.94879
5	0.5796	4.18372		-0.02891	-1.74645	1.76448	0.61817			-0.45288
4	0.5748	6.06224		-0.02975	-1.74816	1.80363				-0.43423
5	0.5748	6.1126		-0.02973	-1.74767	1.80381		-0.01375		-0.43441
5	0.5724	0.16853	1.93519	-0.03335	-1.88215		0.70078			-0.57737
5	0.5665	2.5255	1.97305	-0.03436	-1.87932			-0.07648		-0.55943
4	0.5662	2.29277	1.95966	-0.03444	-1.87638					-0.55746
7	0.55	-0.30989	0.07793	-0.03521		0.18582	0.84621	-0.20753	1.48433	-0.53165
6	0.5499	0.07912		-0.03518		0.19358	0.83613	-0.19975	1.51738	-0.52767

6	0.5495	0.14024	0.09752	-0.03562		0.84321	-0.19986	1.60303	-0.53808
5	0.5494	0.65598		-0.0356		0.83031	-0.18962	1.65109	-0.53338
5	0.5486	0.20143		-0.0358	0.16809	0.56305		1.59283	-0.52108
6	0.5486	0.07702	0.02523	-0.03582	0.16526	0.56287		1.58308	-0.52229
4	0.5482	0.70029		-0.03614		0.57007		1.70637	-0.52637
5	0.5482	0.46621	0.04447	-0.03617		0.56954		1.68582	-0.52834
5	0.5447	1.73841		-0.03665	0.18006		0.05235	1.63717	-0.50591
6	0.5447	1.66464	0.01558	-0.03666	0.17848		0.05141	1.63085	-0.50666
4	0.5446	1.92551		-0.03658	0.18946			1.62097	-0.50568
5	0.5446	1.78131	0.02912	-0.0366	0.18618			1.60971	-0.50708
4	0.5443	2.26452		-0.03703			0.06015	1.76083	-0.51137
5	0.5443	2.09034	0.03461	-0.03705			0.05789	1.74437	-0.51292
3	0.5441	2.51297		-0.03698				1.74954	-0.51143
4	0.5441	2.24326	0.05087	-0.03701				1.72598	-0.5137
5	0.534	6.87827		-0.03373	-0.99479		1.27957	-0.3836	-0.45271
6	0.5317	-3.37147	0.48604	-0.03421		0.76605	1.13859	-0.38763	-0.48737
6	0.5293	-6.18107	1.93846		-3.14063	2.21209	1.84495	-0.67674	-0.82691
4	0.5289	7.09592		-0.03488	-0.99824		0.76302		-0.43188
5	0.5283	-1.10625		-0.03382		0.91202	1.11341	-0.36099	-0.45228
5	0.5265	-3.00829	0.43541	-0.03528		0.80181	0.6155		-0.46298
4	0.5237	-0.98694		-0.03486		0.9313	0.62522		-0.43283
5	0.5219	-1.04187	0.45531	-0.03608		0.83561		-0.05168	-0.44646
4	0.5217	-1.19851	0.44722	-0.03613		0.83645			-0.44522
3	0.5216	9.50692		-0.03608	-0.97977				-0.40817
4	0.5216	9.53251		-0.03608	-0.97948			-0.00694	-0.40826
5	0.5211	-2.24341	0.77301	-0.03603			1.25059	-0.42461	-0.50325
4	0.5189	1.03475		-0.03568		0.9711		-0.03366	-0.4144
3	0.5188	0.9079		-0.03571		0.97007			-0.41396
7	0.5168	13.66987	-0.1106	-0.04311	-2.35636	1.01496	-0.4816	0.30385	2.04565
6	0.5167	13.26966		-0.04324	-2.38459	1.01315	-0.48207	0.29847	2.00578
6	0.5151	12.55675	-0.11178	-0.04264	-2.29277	1.02384		0.1552	1.90785
5	0.5149	12.15115		-0.04277	-2.32125	1.02202		0.14961	1.86742
4	0.5148	-1.78586	0.73204	-0.0373			0.68079		-0.47723
5	0.5138	12.87179	-0.07845	-0.04254	-2.27121	1.04505			1.83171
5	0.5138	12.81841		-0.04269	-2.29734	1.04514	-0.07583		1.81696
6	0.5138	13.07932	-0.0736	-0.04259	-2.27751	1.04673	-0.07064		1.84123
4	0.5137	12.57599		-0.04263	-2.29196	1.04322			1.80497
5	0.5131	-5.83612	1.85308		-3.17692	2.31962	0.95768		-0.79856
4	0.5113	2.20112		-0.03595			1.24372	-0.3895	-0.44579
4	0.5092	0.45193	0.76783	-0.03829				-0.05601	-0.45951
3	0.509	0.28379	0.7594	-0.03834					-0.45818
3	0.506	2.40563		-0.03712			0.71906		-0.42462
6	0.5027	16.23396	-0.09298	-0.04628	-2.20339		-0.51629	0.34875	2.57253
5	0.5026	15.89356		-0.04638	-2.22737		-0.51663	0.34416	2.53821
5	0.5024	-2.71565	1.90895		-3.22524	2.40817		-0.13921	-0.78378
4	0.5013	-3.15555	1.88525		-3.22378	2.41257			-0.78125
5	0.5007	15.06397	-0.09408	-0.0458	-2.13375			0.1897	2.42966
4	0.5006	14.71874		-0.04591	-2.15797			0.18495	2.39484
2	0.4995	4.76205		-0.03822					-0.40238
3	0.4995	4.85209		-0.0382				-0.02315	-0.40268
3	0.4987	15.31267		-0.04582	-2.11738				2.33085
4	0.4987	15.51463	-0.05271	-0.04576	-2.10323				2.34944

4	0.4987	15.46671		-0.04585	-2.12053		-0.0472		2.33892
5	0.4987	15.64555	-0.04968	-0.04579	-2.10695		-0.04367		2.35583
5	0.4866	7.52766	0.3011	-0.04157	-1.73434	1.57479	0.08633		
6	0.4866	7.52791	0.30106	-0.04157	-1.73416	1.57453	0.09016	-0.00296	
4	0.4865	7.74876	0.3095	-0.04164	-1.73866	1.58024			
5	0.4865	7.67022	0.30694	-0.04165	-1.73857	1.58039		0.02308	
5	0.4864	0.33074			-2.36604	2.43973	1.80013	-0.59817	-0.6874
4	0.4853	8.35098		-0.04111	-1.61596	1.61228	0.11815		
5	0.4853	8.35119		-0.0411	-1.6157	1.61186	0.12426	-0.00472	
4	0.4852	8.57112		-0.0412	-1.6186	1.62101		0.03139	
3	0.4851	8.68847		-0.04118	-1.61736	1.62126			
4	0.4736	0.38239			-2.4286	2.52636	1.01359		-0.66767
4	0.4608	3.61645			-2.46014	2.62774		-0.07468	-0.64737
3	0.4605	3.3367			-2.46447	2.62864			-0.64692
5	0.4469	9.30369	0.52462	-0.04657	-1.16785		0.2937	-0.06467	
4	0.4468	9.30464	0.52642	-0.04668	-1.16974		0.2104		
3	0.4462	9.86126	0.54889	-0.04687	-1.17553				
4	0.4462	9.79294	0.54668	-0.04688	-1.1754			0.02014	
5	0.446	7.26772	-0.70474	-0.04594		0.6828		0.07996	0.79346
6	0.446	7.15844	-0.70302	-0.04587		0.68487	0.05446	0.06339	0.78138
5	0.4459	7.07859	-0.69084	-0.04574		0.69404	0.13867		0.74664
4	0.4456	7.45653	-0.68461	-0.04587		0.69543			0.75948
5	0.4446	-4.68091	2.33237		-2.47184		2.3603	-0.84795	-0.89155
4	0.443	10.8387		-0.04596	-0.93389		0.36275	-0.07039	
3	0.4428	10.84546		-0.04607	-0.93509		0.2723		
3	0.4419	11.52952		-0.04631	-0.93105			0.03509	
2	0.4418	11.66123		-0.04629	-0.92954				
5	0.4407	5.13969	-0.44371	-0.04484		0.98007	0.25083	-0.04768	
4	0.4406	5.13162	-0.44424	-0.04491		0.9833	0.18925		
3	0.4402	5.60467	-0.42985	-0.04506		0.99204			
4	0.4402	5.52045	-0.43256	-0.04507		0.99224		0.02479	
4	0.4394	9.22975	-0.66458	-0.04794				0.10708	1.20245
5	0.4394	9.21731	-0.66436	-0.04793			0.00656	0.10509	1.20115
4	0.4391	3.90728		-0.04696		0.64684	0.10461		0.40436
4	0.4391	4.08683		-0.04709		0.64191		0.03596	0.42715
5	0.4391	3.91003		-0.04698		0.64569	0.09486	0.00728	0.40766
3	0.439	4.21464		-0.04704		0.64822			0.4164
4	0.439	9.12987	-0.64313	-0.04776			0.14636		1.15244
3	0.4388	9.53313	-0.63645	-0.0479					1.16686
4	0.4374	3.39022		-0.04606		0.84185	0.20982	-0.04996	
3	0.4373	3.37958		-0.04614		0.84505	0.14524		
2	0.437	3.78923		-0.04622		0.85528			
3	0.437	3.74696		-0.04623		0.85498		0.01095	
3	0.4333	6.10866		-0.04892				0.06391	0.83265
4	0.4333	6.02617		-0.04886			0.04746	0.04964	0.8241
3	0.4332	6.03316		-0.04877			0.11401		0.80649
2	0.433	6.37312		-0.04886					0.82055
4	0.4232	6.95421	-0.1123	-0.04763			0.35809	-0.08112	
3	0.423	6.38689		-0.04787			0.34221	-0.08043	
3	0.423	6.95062	-0.11134	-0.04777			0.25368		
2	0.4227	6.38813		-0.048			0.23881		
2	0.4221	7.60838	-0.08802	-0.04801					

3	0.4221	7.53301	-0.0904	-0.04802			0.02229		
1	0.422	7.12732		-0.04818					
2	0.422	7.05152		-0.04819			0.01912		
4	0.4187	-4.1508	2.24835		-2.47664	1.26649			-0.85957
4	0.3995	0.03949	2.33946		-2.50507		-0.16272		-0.84249
3	0.398	-0.46899	2.31267		-2.50182				-0.83965
6	0.3867	-7.38553	-0.07507			0.94239	1.93127	-0.62385	1.10668
5	0.3866	-7.76733				0.93559	1.94197	-0.63174	1.07444
4	0.3812	3.51121			-1.43536		2.37039	-0.77305	-0.72828
5	0.3764	-9.53341	0.23471			1.36196	2.12763	-0.7502	-0.74581
4	0.3756	-8.39894				1.42957	2.10993	-0.73525	-0.72734
4	0.374	-5.32356					1.98003	-0.60677	1.72493
5	0.374	-5.42866	0.01975				1.98278	-0.60889	1.71521
5	0.3735	-6.5603	-0.24735			0.91894	1.10725		1.3939
4	0.3727	-7.8205				0.89485	1.10822		1.29683
4	0.3615	-4.67031	-0.1508				1.17679		1.98092
3	0.3612	-5.4771					1.17626		1.91165
3	0.3596	3.72614			-1.4739		1.36967		-0.7044
4	0.3579	-3.42765	-0.25156			0.99422			1.43906
5	0.3579	-3.32815	-0.24039			0.99947		-0.04121	1.42231
4	0.3572	-4.49299				0.97845		-0.05631	1.32348
3	0.357	-4.70655				0.96979			1.34038
4	0.3564	-9.19354	0.11809			1.47041	1.14644		-0.7133
3	0.3562	-8.62049				1.50366	1.14738		-0.70424
3	0.3437	-1.15827	-0.14686						2.08055
4	0.3437	-1.13444	-0.14435					-0.00881	2.07769
2	0.3434	-1.94548							2.01305
3	0.3434	-1.8678						-0.01836	2.00949
4	0.3415	-8.04875	0.74214				2.43284	-0.85452	-0.80074
4	0.3405	-5.62505	0.14738			1.5625		-0.13003	-0.69334
3	0.3402	-4.93096				1.60403		-0.12387	-0.68198
3	0.3396	-6.03473	0.12599			1.56697			-0.69101
2	0.3393	-5.42053				1.60254			-0.68132
3	0.3357	8.27686			-1.46557			-0.08466	-0.67851
2	0.3352	7.96151			-1.47009				-0.678
3	0.3325	-3.76928					2.42378	-0.81992	-0.74495
3	0.3152	-7.52113	0.65435				1.33069		-0.76833
2	0.3081	-3.74862					1.3622		-0.72007
3	0.2935	-3.22795	0.7274					-0.14803	-0.74889
2	0.2922	-3.68671	0.70494						-0.74642
2	0.2849	0.94928						-0.11669	-0.6944
1	0.2841	0.48289							-0.69377
6	0.2355	10.36882	-0.69763		-2.95608	2.49739	0.37888	-0.03943	1.3657
5	0.2354	10.44129	-0.70342		-2.9674	2.49555	0.32618		1.39152
5	0.2344	11.23306	-0.70181		-3.01234	2.50323		0.07684	1.47032
4	0.2341	11.39082	-0.68459		-3.00079	2.51198			1.4331
5	0.2291	7.74045			-3.14855	2.51418	0.39233	-0.08048	1.09713
4	0.2289	7.84469			-3.17516	2.51069	0.28405		1.14569
4	0.2279	8.6192			-3.20802	2.52034		0.03969	1.20381
3	0.2278	8.7352			-3.19947	2.52469			1.18778
5	0.2218	6.29879	-0.40531		-2.52121	2.83964	0.7444	-0.23843	
4	0.2198	6.26889	-0.40712		-2.54194	2.87064	0.43829		

4	0.2195	5.14138		-2.69723	2.80766	0.7074	-0.23964	
3	0.2174	5.10615		-2.71885	2.83867	0.39956		
3	0.2173	7.38876	-0.36953	-2.57002	2.90815			
4	0.2173	7.47084	-0.36669	-2.5699	2.90767		-0.0241	
3	0.2154	6.36578		-2.7277	2.87552		-0.03489	
2	0.2153	6.23413		-2.72964	2.87586			
4	0.1396	16.74219	-0.76565	-2.65147		0.47725		2.67089
5	0.1396	16.76775	-0.76781	-2.65583		0.45734	0.01486	2.68027
4	0.1381	17.82956	-0.77307	-2.72292			0.15543	2.81032
3	0.1367	18.19659	-0.73861	-2.69742				2.74427
4	0.1319	13.92037		-2.86559		0.47273	-0.02995	2.39421
3	0.1318	13.956		-2.87564		0.43236		2.41163
3	0.1302	14.998		-2.93644			0.11507	2.52665
2	0.1294	15.36744		-2.91021				2.48665
5	0.1222	1.79496	-1.50111		2.19756	1.13284	-0.37415	-0.3022
4	0.1214	2.55259	-1.61185		2.09334	1.06416	-0.33375	
4	0.1174	2.18363	-1.58814		2.16831	0.64426		-0.11165
3	0.1173	2.46735	-1.62832		2.12825	0.63795		
3	0.1121	4.13784	-1.58977		2.17062		-0.02745	
3	0.1121	3.89435	-1.57041		2.19376			-0.06239
4	0.1121	3.97358	-1.56165		2.19799		-0.03262	-0.07575
2	0.112	4.04417	-1.59306		2.17113			
4	0.0901	-5.61773			2.1912	1.27831	-0.52034	-1.17957
3	0.0807	-5.67621			2.14906	0.5951		-0.9808
4	0.0791	9.54888	-0.1287	-1.57966		1.30801	-0.41822	
3	0.0788	9.1668		-1.63937		1.29414	-0.41796	
3	0.0772	-3.48565			2.1914		-0.13963	-0.96284
2	0.0761	-4.01358			2.17279			-0.92629
3	0.0743	-4.5706			1.67122	0.99049	-0.37325	
3	0.0727	9.55875	-0.12656	-1.59814		0.7775		
2	0.0724	9.18302		-1.65686		0.76419		
2	0.0692	-4.74754			1.70547	0.51243		
2	0.0663	-3.00278			1.7486		-0.08738	
1	0.0658	-3.34953			1.74746			
3	0.0649	11.78572	-0.04773	-1.62643			-0.04237	
2	0.0648	11.6342		-1.64854			-0.04376	
2	0.0648	11.64266	-0.05263	-1.62635				
1	0.0647	11.46985		-1.65081				
4	0.047	8.27093	-1.49094			1.13451	-0.2955	1.01973
3	0.0441	8.51051	-1.55997			0.74754		1.15672
3	0.0369	10.45406	-1.55156				0.04654	1.24678
2	0.0368	10.58551	-1.53898					1.23129
3	0.0353	6.35285	-1.01743			1.42725	-0.45162	
2	0.0279	6.32307	-1.02636			0.85535		
2	0.0184	8.69667	-0.95763				-0.04148	
1	0.0183	8.55677	-0.96238					
3	0.0154	0.88974				1.279	-0.44093	0.1445
2	0.0151	0.97275				1.32708	-0.46234	
2	0.0086	0.73368				0.69833		0.29179
1	0.0072	0.89393				0.74058		
2	0.0025	3.02357					-0.06001	0.36147
1	0.0023	2.77169						0.37239

1      0.0004   3.45634

-0.07882

SURFACE WATER  
SPEARMAN  
CO-CORRELATION  
POOLED STATIONS

var1	var2	corr	n	pvalue	fishersz	sigmaz	l95	u95	
CAF	CLF	0.865382	148		0	1.314388	0.083045	0.81829	0.900934
CAF	DOC	0.846943	145		0	1.245237	0.083918	0.79348	0.887434
CAF	FEF	0.059483	114	0.529567	0.059554	0.094916	-0.12581	0.240768	
CAF	KF	-0.40036	126	3.40E-06	-0.42408	0.090167	-0.53762	-0.24243	
CAF	MGF	0.969024	148		0	2.076046	0.083045	0.95736	0.977535
CAF	NH3F	0.067909	143	0.420316	0.068013	0.084515	-0.09733	0.229502	
CAF	PH	0.002591	125	0.977125	0.002591	0.090536	-0.1731	0.17812	
CAF	PO4F	0.73049	121		0	0.929778	0.092057	0.634758	0.804137
CAF	SO4F	-0.14277	148	0.083439	-0.14376	0.083045	-0.29727	0.019011	
CAF	SULF	0.163302	143	0.051323	0.164777	0.084515	-0.00087	0.318905	
CAF	TKNF	0.723775	145		0	0.915527	0.083918	0.635773	0.793202
CAF	TPF	0.735364	133		0	0.940309	0.087706	0.646002	0.804843
CLF	DOC	0.832329	149		0	1.195671	0.082761	0.775292	0.875901
CLF	FEF	-0.05196	114	0.582997	-0.052	0.094916	-0.23364	0.133234	
CLF	KF	-0.47371	130	1.25E-08	-0.51484	0.088736	-0.59719	-0.3283	
CLF	MGF	0.860906	152		0	1.296835	0.081923	0.813153	0.897147
CLF	NH3F	0.066046	145	0.429949	0.066142	0.083918	-0.09802	0.226618	
CLF	PH	0.089888	129	0.311038	0.090131	0.089087	-0.08428	0.258725	
CLF	PO4F	0.690775	123		0	0.849437	0.091287	0.585318	0.77325
CLF	SO4F	-0.17507	152	0.030987	-0.17689	0.081923	-0.32521	-0.01632	
CLF	SULF	0.155095	147	0.060691	0.156357	0.083333	-0.00698	0.309227	
CLF	TKNF	0.725121	149		0	0.918362	0.082761	0.638804	0.793411
CLF	TPF	0.683554	137		0	0.835755	0.086387	0.582631	0.763716
DOC	FEF	0.052299	111	0.58566	0.052346	0.096225	-0.13542	0.23639	
DOC	KF	-0.32952	127	0.000155	-0.34229	0.089803	-0.47639	-0.16476	
DOC	MGF	0.844665	149		0	1.237233	0.082761	0.791346	0.885231
DOC	NH3F	0.154823	142	0.065807	0.156078	0.084819	-0.01017	0.311606	
DOC	PH	-0.06931	126	0.440614	-0.06942	0.090167	-0.24129	0.106898	
DOC	PO4F	0.67379	120		0	0.817652	0.09245	0.562477	0.761112
DOC	SO4F	-0.17617	149	0.031619	-0.17803	0.082761	-0.32769	-0.01582	
DOC	SULF	0.317635	144	0.000105	0.329014	0.084215	0.162499	0.457446	
DOC	TKNF	0.695798	146		0	0.859109	0.083624	0.601316	0.771091
DOC	TPF	0.678891	134		0	0.827053	0.08737	0.575566	0.760879
FEF	KF	0.000414	98	0.996768	0.000414	0.102598	-0.19803	0.198822	
FEF	MGF	-0.00081	114	0.993174	-0.00081	0.094916	-0.1847	0.183135	
FEF	NH3F	-0.25722	111	0.006425	-0.26313	0.096225	-0.42332	-0.07439	
FEF	PH	0.036359	93	0.729339	0.036375	0.105409	-0.1686	0.238306	
FEF	PO4F	0.172359	94	0.096677	0.174097	0.104828	-0.03136	0.362326	
FEF	SO4F	0.214401	114	0.021983	0.21778	0.094916	0.031735	0.383209	
FEF	SULF	-0.20591	111	0.030149	-0.2089	0.096225	-0.37781	-0.02029	
FEF	TKNF	-0.08212	111	0.391544	-0.0823	0.096225	-0.26447	0.105899	
FEF	TPF	0.199037	100	0.047116	0.20173	0.101535	0.002722	0.38058	
KF	MGF	-0.35753	130	2.97E-05	-0.37405	0.088736	-0.499	-0.1975	
KF	NH3F	0.040052	123	0.660055	0.040073	0.091287	-0.13796	0.215561	
KF	PH	-0.0858	107	0.379569	-0.08601	0.098058	-0.27124	0.105788	
KF	PO4F	-0.55676	101	1.49E-09	-0.62813	0.101015	-0.67839	-0.40544	



KF	SO4F	0.003504	130	0.968437	0.003504	0.088736	-0.16879	0.175588
KF	SULF	0.088906	127	0.32023	0.089142	0.089803	-0.08665	0.259111
KF	TKNF	-0.43302	127	3.68E-07	-0.4636	0.089803	-0.56464	-0.27991
KF	TPF	-0.46125	118	1.47E-07	-0.4989	0.09325	-0.5926	-0.306
MGF	NH3F	0.157442	145	0.058589	0.158763	0.083918	-0.00572	0.312436
MGF	PH	-0.07665	129	0.387911	-0.0768	0.089087	-0.24625	0.097496
MGF	PO4F	0.708931	123	0	0.885032	0.091287	0.608232	0.787173
MGF	SO4F	-0.1411	152	0.082941	-0.14204	0.081923	-0.2937	0.018524
MGF	SULF	0.183499	147	0.026099	0.185601	0.083333	0.022264	0.33543
MGF	TKNF	0.795633	149	0	1.086598	0.082761	0.727966	0.847949
MGF	TPF	0.6893	137	0	0.84662	0.086387	0.589762	0.768207
NH3F	PH	-0.08429	124	0.35195	-0.08449	0.090909	-0.2568	0.093414
NH3F	PO4F	0.319363	121	0.000356	0.330938	0.092057	0.149379	0.471012
NH3F	SO4F	-0.56468	145	1.39E-13	-0.63968	0.083918	-0.66636	-0.44239
NH3F	SULF	0.277595	140	0.000898	0.285074	0.085436	0.117081	0.423975
NH3F	TKNF	0.50687	142	1.22E-10	0.558508	0.084819	0.37331	0.619845
NH3F	TPF	0.228346	130	0.008975	0.232443	0.088736	0.058455	0.385382
PH	PO4F	0.022728	108	0.815391	0.022732	0.09759	-0.16697	0.2108
PH	SO4F	0.104899	129	0.236773	0.105286	0.089087	-0.06921	0.272809
PH	SULF	-0.13782	124	0.126907	-0.1387	0.090909	-0.30668	0.039462
PH	TKNF	-0.08156	126	0.363903	-0.08175	0.090167	-0.25287	0.094696
PH	TPF	0.028907	124	0.74995	0.028915	0.090909	-0.14817	0.204186
PO4F	SO4F	-0.26272	123	0.003327	-0.26903	0.091287	-0.42022	-0.08987
PO4F	SULF	0.177854	119	0.052973	0.179766	0.092848	-0.00222	0.346752
PO4F	TKNF	0.782264	120	0	1.051177	0.09245	0.701361	0.843268
PO4F	TPF	0.923394	113	0	1.611583	0.095346	0.890576	0.946646
SO4F	SULF	-0.34503	147	1.87E-05	-0.35979	0.083333	-0.4801	-0.19397
SO4F	TKNF	-0.33864	149	2.4E-05	-0.35256	0.082761	-0.47365	-0.18808
SO4F	TPF	-0.20758	137	0.014936	-0.21064	0.086387	-0.36267	-0.0413
SULF	TKNF	0.216011	144	0.009314	0.219468	0.084215	0.054352	0.366635
SULF	TPF	0.264323	132	0.002194	0.27075	0.088045	0.097867	0.416391
TKNF	TPF	0.727373	135	0	0.923125	0.087039	0.636655	0.798232

MULTIVARIATE  
 PORE WATER  
 Mosquitofish THg vs Y  
 POOLED STATIONS

LAG 0

Number In Model	RSquare	Intercept	FEF_0	PH_0	SULF_0	DOC_0	TKNF_0	TPF_0	SO4F_0
1	0.4711	-740.35		111.416					
1	0.4505	19.6651							0.23851
1	0.324	23.3843	0.38349						
1	0.2212	56.2057			-3.2987				
1	0.1524	52.9095				-0.2502			
1	0.1117	40.6042						-118.3	
1	0.0702	47.3943					-2.5988		
2	0.6693	-649.58	0.30568	97.2118					
2	0.6145	-502.67		75.9108					0.1554
2	0.5768	37.9779				-0.2281			0.23183
2	0.5496	-672.82		103.754		-0.1822			
2	0.5408	26.6031						-106.47	0.23307
2	0.5369	-700.95		106.561				-91.398	
2	0.5339	-624.46		96.6022	-1.871				
2	0.5003	-703.98		107.506			-1.6921		
2	0.4631	26.3824					-1.1338		0.22899
2	0.4573	19.4917	-0.1281						0.29939
2	0.4545	41.9405	0.37085			-0.2319			
2	0.4505	19.2893			0.04177				0.24001
2	0.417	30.3884	0.37275					-108.08	
2	0.353	35.7423	0.30109		-1.4709				
2	0.3505	32.7581	0.3629				-1.624		
2	0.3302	70.8126			-2.985	-0.2136			
2	0.3036	61.0984			-3.0884			-102.11	
2	0.2568	64.8551			-3.0731		-1.8764		
2	0.187	49.4295				-0.4874	4.06237		
2	0.1721	65.9137				-0.5543		175.087	
2	0.118	34.5861					1.75388	-175.08	
3	0.825	22.6094				-0.9168	11.9258		0.31183
3	0.7428	-585.36	0.30187	89.9726		-0.1763			
3	0.7283	-613.76	0.30056	92.8483				-86.621	
3	0.7008	-425.29		66.8949		-0.1911			0.15967
3	0.6943	-10.21					9.59323	-413.73	0.29792
3	0.6872	-831.09	0.57732	123.754					-0.1714
3	0.6819	-461.48		70.8005				-92.497	0.15626
3	0.6793	-631.37	0.2944	95.418			-1.0032		
3	0.6693	-649.09	0.30514	97.1543	-0.0104				
3	0.6247	-492.96		75.378			-1.0199		0.14742
3	0.6145	-502.48		75.9199	-0.0277				0.1544
3	0.6016	-571.63		90.7514	-1.7082	-0.1697			
3	0.5967	51.0422				-0.5337		175.943	0.23189
3	0.5941	32.1878	0.45243			-0.7282	8.5681		
3	0.5914	-595.2		93.0309	-1.7474			-85.654	

3	0.5842	37.8404	-0.1335			-0.2287		0.29527
3	0.5798	-672.11		103.187		-0.4039	3.79139	
3	0.5796	33.5617			0.53321	-0.2329		0.25075
3	0.5545	-723.38		108.33			2.95162	-186.5
3	0.5534	-602.92		94.4564	-1.7351		-1.3943	
3	0.5515	-660.92		102.633		-0.2778		54.6614
3	0.5483	26.4495	-0.1349				-106.92	0.29715
3	0.5419	23.708			0.33005		-107.61	0.2448
3	0.4871	7.55634	0.43143				6.18536	-306.7
3	0.4757	55.3641	0.37171			-0.5464		181.075
3	0.4702	50.259	0.31041		-1.0889	-0.2216		
3	0.4689	25.9592	-0.1184				-1.0894	0.28562
3	0.4632	25.9415			0.04923		-1.1342	0.23075
3	0.4576	17.8108	-0.1331		0.18611			0.30841
3	0.4376	40.5295	0.3036		-1.2426			-103.46
3	0.3846	67.5056			-3.1646	-0.5102	5.11807	
3	0.3756	43.5945	0.28755		-1.3723		-1.5038	
3	0.341	80.0657			-2.92	-0.4399		129.831
3	0.3279	50.3055			-3.2787		3.51333	-214.84
3	0.1944	58.3385				-0.6465	3.43381	112.7
4	0.8731	-276.35		43.459		-0.8027	10.3656	0.25448
4	0.8658	3.37895			2.10114	-1.0174	13.3444	0.39588
4	0.8528	21.5136	-0.2627			-0.9549	12.5661	0.44097
4	0.8519	-561.93	0.37776	85.3718		-0.6194	7.60022	
4	0.8262	18.7935				-0.8547	12.2344	-46.035
4	0.8058	-645.56	0.36141	93.9707			6.50505	-295.25
4	0.794	-421.13		60.3222			8.30998	-360.72
4	0.7507	-711.33	0.48513	108.27		-0.1663		-0.1155
4	0.7465	-568.27	0.30348	88.3338		-0.3099		76.328
4	0.7433	-594.4	0.31236	91.0456	0.20392	-0.1776		
4	0.7397	-760.96	0.51838	114.328				-82.195
4	0.7285	-619.54	0.3071	93.533	0.12691			-86.935
4	0.7189	-13.068	-0.2473				10.2646	-436.05
4	0.7071	-398.78		64.1438		-0.3671		100.424
4	0.707	-22.348			1.14143		10.1472	-435.4
4	0.7023	-426.45		66.5939	0.39185	-0.1948		0.1739
4	0.7006	-827.45	0.59046	124.233			-1.1675	-0.188
4	0.6925	-849.1	0.6178	127.353	-0.745			-0.2212
4	0.6824	-462.65		70.6815	0.22702			-93.301
4	0.6793	-632.83	0.29602	95.5913	0.03193		-1.0048	
4	0.6428	-559.78		88.6696	-1.8941	-0.4293	4.46137	
4	0.6247	-492.82		75.3848	-0.0205		-1.0198	0.14668
4	0.6204	-612.45		93.8077	-1.9438		3.83418	-208.55
4	0.6037	50.7706	-0.1296			-0.531		174.083
4	0.6028	-562.83		89.9431	-1.6979	-0.2455		43.2357
4	0.6024	38.4937	0.40637		-0.7967	-0.7094	8.3752	
4	0.6019	45.9048			0.72137	-0.5597		187.218
4	0.5946	34.6214	0.45083			-0.7697	8.38474	30.0116
4	0.589	31.9976	-0.1525		0.70309	-0.235		0.32923
4	0.5799	-675.78		103.521		-0.3797	3.88515	-16.967
4	0.5507	22.1043	-0.1482		0.49362			-108.66
4	0.5066	17.6032	0.36366		-1.2098		6.13843	-300.7

4	0.4876	61.5081	0.31855		-0.9564	-0.51		165.396	
4	0.4693	24.3061	-0.1233		0.18264		-1.0889		0.29448
4	0.3854	70.3125			-3.1383	-0.5628	4.90062	37.4118	
5	0.9138	-3.0384	-0.3547		2.64067	-1.0946	14.5731		0.5918
5	0.9036	-261.63		38.8808	1.83336	-0.9025	11.7677		0.33386
5	0.8761	-289.02		44.4265		-0.7021	10.8178	-72.638	0.25645
5	0.8732	-291.23	0.02203	45.6363		-0.7938	10.2338		0.24078
5	0.8666	0.31252			2.09217	-0.9657	13.5929	-37.983	0.39722
5	0.8551	16.1874	-0.2687			-0.8694	13.0095	-63.953	0.44677
5	0.8543	-575.39	0.38023	86.5429		-0.5274	7.98676	-65.441	
5	0.854	-580.4	0.40026	87.5458	0.42208	-0.6265	7.67777		
5	0.8074	-584.58	0.27233	84.778			7.0503	-314.65	0.05935
5	0.8062	-653.93	0.3709	94.9574	0.18256		6.51549	-296.03	
5	0.8027	-423.67		59.2165	0.94683		8.79302	-379.66	0.26194
5	0.7528	-686.8	0.46979	105.355		-0.2698		58.6473	-0.1051
5	0.7513	-719.88	0.50093	109.816	-0.258	-0.1631			-0.1338
5	0.7472	-578.61	0.31621	89.5743	0.24622	-0.3159		78.8935	
5	0.7415	-773.36	0.54378	116.692	-0.4403			-80.131	-0.1676
5	0.7412	-30.174	-0.299		1.55231		11.1584	-470.18	0.50577
5	0.7096	-397.99		63.5158	0.50804	-0.387		109.103	0.18137
5	0.706	-845.63	0.6314	127.871	-0.7525		-1.1722		-0.2384
5	0.6439	-568.3		89.395	-1.9156	-0.3651	4.71888	-45.229	
5	0.6113	44.3627	-0.1534		0.89275	-0.5627		187.695	0.33645
5	0.6026	39.9754	0.406		-0.7852	-0.7365	8.25949	19.3956	
6	0.9158	-7.9726	-0.3601		2.63474	-1.0143	14.9838	-59.907	0.5969
6	0.9141	-46.373	-0.3104	6.47532	2.52868	-1.0658	14.157		0.557
6	0.9058	-272.77		39.7706	1.81238	-0.8143	12.1431	-62.875	0.33466
6	0.8761	-302.53	0.02004	46.4046		-0.6942	10.697	-72.486	0.24399
6	0.8562	-592.19	0.40138	88.5411	0.39902	-0.5386	8.04123	-62.25	
6	0.8101	-554.92	0.22033	79.4332	0.57762		7.58555	-335	0.11402
6	0.7531	-694.27	0.48154	106.602	-0.1747	-0.2605		54.6173	-0.1182
7	0.9162	-58.254	-0.3089	7.494	2.50498	-0.9788	14.5131	-61.484	0.55676

LAG 1

LAG 1

Number In Model	RSquare	Intercept	FEF_1	PH_1	SULF_1	DOC_1	TKNF_1	TPF_1	SO4F_1
1	0.2564	53.3016						-310.39	
1	0.1847	71.2936				-0.4704			
1	0.0659	45.8959							-0.1355
1	0.0474	441.31		-57.949					
1	0.0375	54.2973					-3.2433		
1	0.0161	31.197			1.33616				
1	0.0018	40.4885	-0.0203						
2	0.4554	7.94642					14.1282	-748.95	
2	0.3614	61.1766				-1.3793	15.5984		
2	0.3439	61.4693						-324.17	-0.1566
2	0.2863	59.2363	-0.0851					-337.45	
2	0.2774	81.5187				-0.5062			-0.1616
2	0.2711	45.4339			1.28141			-309.63	
2	0.2686	38.6965				0.32816		-481.23	
2	0.257	-0.1023		7.75412				-318.86	
2	0.2211	81.4282	-0.0961			-0.5412			
2	0.2021	62.9035			1.39233	-0.4722			
2	0.1851	111.813		-5.9532		-0.459			
2	0.1366	545.702		-71.887					-0.16
2	0.1302	67.3111					-4.3482		-0.1644
2	0.1288	43.2472	0.19042						-0.2995
2	0.0849	682.592	-0.1106	-91.851					
2	0.0716	468.216		-63.287	1.65598				
2	0.0672	49.4812			-0.4735				-0.1498
2	0.0597	353.629		-43.94			-2.0599		
2	0.0559	46.0191			1.43334		-3.3484		
2	0.0525	61.5621	-0.063				-4.0625		
2	0.0186	26.7928	0.03105		1.77507				
3	0.4873	18.353					12.4846	-706.58	-0.0984
3	0.4775	21.6312				-0.5198	17.0711	-569.71	
3	0.4611	3.82182			0.80241		13.8783	-740.71	
3	0.4566	10.4139	-0.0184				13.7587	-743.32	
3	0.4554	5.30232		0.38494			14.126	-749.3	
3	0.4026	69.5293				-1.2868	13.5858		-0.1114
3	0.3738	67.7292	-0.0571			-1.3738	14.7813		
3	0.3714	55.0119			1.05407	-1.3639	15.31		
3	0.3625	128.732		-9.9291		-1.3625	15.6368		
3	0.3533	59.4993	0.07694					-305.44	-0.2216
3	0.3506	50.4237				0.24312		-450.36	-0.1523
3	0.3493	68.9723			-0.9708			-327.35	-0.1861
3	0.3444	105.181		-6.3338				-317.4	-0.1583
3	0.2915	234.201	-0.1059	-25.194				-316.53	
3	0.291	49.2481	-0.0762			0.21041		-444.15	
3	0.2864	58.158	-0.0811		0.12999			-336.1	
3	0.2841	77.985	0.0669			-0.4693			-0.2173
3	0.2819	32.1319			1.21645	0.30785		-469.93	
3	0.2818	88.5192			-0.8797	-0.5111			-0.1884
3	0.2814	211.839		-19.103		-0.4707			-0.1663

3	0.2712	29.864		2.27134	1.2695				-312.12
3	0.2689	2.80285		5.23694		0.32426			-484.92
3	0.2369	378.374	-0.1304	-43.095		-0.4841			
3	0.2211	80.6959	-0.0936		0.07786	-0.5395			
3	0.2036	141.838		-11.647	1.44854	-0.4499			
3	0.162	427.21		-52.727			-2.9884		-0.1734
3	0.1612	60.0627	0.14187				-3.2772		-0.2795
3	0.1462	378.498	0.0999	-48.038					-0.2379
3	0.1374	546.938		-71.663	-0.3692				-0.1711
3	0.1342	74.1943			-0.8352		-4.4618		-0.1904
3	0.1315	37.5327	0.20453		0.72883				-0.2896
3	0.1069	597.267	-0.1259	-77.575			-2.7906		
3	0.0859	653.291	-0.0937	-88.164	0.45664				
3	0.0836	381.513		-49.428	1.64494		-2.0328		
3	0.0577	51.788	-0.0296		1.02525		-3.7032		
4	0.5121	12.2532	0.12718				13.308	-700.84	-0.202
4	0.5063	30.6246				-0.4843	15.3027	-541.52	-0.0938
4	0.4889	22.9395			-0.5416		12.3685	-704.8	-0.1154
4	0.4879	71.4527		-7.699			12.4944	-698.66	-0.1004
4	0.4833	17.501			0.81063	-0.5212	16.8265	-560.91	
4	0.4802	25.8592	-0.0274			-0.5406	16.6384	-554.13	
4	0.4775	1.75337		2.90108		-0.5216	17.065	-571.72	
4	0.4615	0.96682	0.01397		0.99305		14.0997	-743.03	
4	0.4612	24.5176		-3.0246	0.81785		13.8908	-737.79	
4	0.457	59.5202	-0.0246	-7.0281			13.6744	-735	
4	0.4082	66.2964	0.06203			-1.2497	13.537		-0.1632
4	0.4063	196.267		-18.577		-1.2516	13.5743		-0.116
4	0.4035	72.8243			-0.4008	-1.2821	13.4663		-0.124
4	0.3835	300.651	-0.0847	-33.768		-1.3141	14.5163		
4	0.375	63.1064	-0.0414		0.48229	-1.3682	14.8741		
4	0.3736	151.677		-14.266	1.12212	-1.3388	15.3466		
4	0.3664	42.5996	0.10452			0.35643		-483.72	-0.2386
4	0.3559	-81.419	0.11013	20.2957				-319.04	-0.2442
4	0.3559	57.9289			-0.9693	0.24281		-453.37	-0.1818
4	0.3549	64.2215	0.06408		-0.5684			-310.43	-0.2281
4	0.3513	104.757		-7.9041		0.24787		-444.38	-0.1543
4	0.3495	101.698		-4.7584	-0.9561			-322.22	-0.187
4	0.2956	214.78	-0.0963	-23.745		0.19704		-417.65	
4	0.2916	244.215	-0.1123	-26.429	-0.1733			-317.31	
4	0.2914	46.4458	-0.067		0.28382	0.21985		-445.97	
4	0.2854	82.9611	0.0538		-0.5383	-0.4795			-0.2228
4	0.2853	209.698		-17.825	-0.8272	-0.4777			-0.1912
4	0.2844	123.26	0.0562	-6.554		-0.463			-0.21
4	0.2819	31.3556		0.11372	1.21587	0.30777		-470.02	
4	0.2379	403.879	-0.1475	-46.172	-0.4578	-0.4903			
4	0.169	289.337	0.08576	-33.17			-2.8453		-0.2396
4	0.1644	424.701		-51.575	-0.6503		-3.1066		-0.1934
4	0.1613	58.9842	0.14461		0.11388		-3.241		-0.2781
4	0.1464	365.271	0.10735	-46.395	0.22508				-0.237
4	0.1069	593.92	-0.1237	-77.171	0.05883		-2.7766		
5	0.5226	22.6479	0.10614			-0.3704	15.327	-575.55	-0.1814
5	0.5216	-256.18	0.19149	38.4734			13.6755	-737.54	-0.2442

5	0.5127	8.92061	0.1355		0.34638		13.4361	-701.6	-0.1979
5	0.5075	34.2581			-0.4473	-0.4782	15.1713	-542.13	-0.1079
5	0.5066	64.7356		-4.9594		-0.4806	15.2874	-537.68	-0.0952
5	0.4894	69.8622		-6.8299	-0.52		12.3818	-697.84	-0.1165
5	0.4833	17.7773	-0.0012		0.7938	-0.5221	16.8121	-560.39	
5	0.4833	20.8634		-0.4926	0.81314	-0.5208	16.8268	-560.54	
5	0.4806	76.0501	-0.0337	-7.1825		-0.5408	16.5533	-545.55	
5	0.4615	-3.9394	0.01486	0.69045	1.00167		14.111	-743.84	
5	0.4086	117.697	0.04988	-7.4412		-1.2428	13.5419		-0.1549
5	0.4082	66.3492	0.06189		-0.0056	-1.2497	13.5354		-0.1633
5	0.407	195.486		-18.043	-0.3475	-1.2485	13.471		-0.1268
5	0.3835	295.604	-0.0813	-33.159	0.08849	-1.3142	14.5381		
5	0.3714	-155.85	0.15367	28.3345		0.3927		-520.85	-0.2718
5	0.367	46.1461	0.09538		-0.3697	0.34641		-481.96	-0.2423
5	0.3568	-59.445	0.09626	17.6345	-0.4209			-320.95	-0.246
5	0.3564	101.299		-6.3313	-0.9497	0.24662		-448.52	-0.1828
5	0.2956	215.1	-0.0965	-23.783	-0.0052	0.19684		-417.57	
5	0.2862	155.71	0.03458	-10.409	-0.6296	-0.4712			-0.2121
5	0.1691	299.212	0.07916	-34.335	-0.1926		-2.8914		-0.2404
6	0.5299	-215.78	0.16516	34.0198		-0.3325	15.4452	-620.83	-0.2208
6	0.5241	-299.52	0.21816	43.6507	0.75007		14.0024	-744.13	-0.241
6	0.523	19.9511	0.11282		0.27012	-0.3669	15.4079	-577.32	-0.1784
6	0.5077	63.4825		-4.2641	-0.4344	-0.4752	15.1619	-538.81	-0.1087
6	0.4833	26.1349	-0.0028	-1.1745	0.779	-0.5224	16.795	-558.87	
6	0.4087	121.593	0.0473	-7.9017	-0.0754	-1.2426	13.5212		-0.1552
6	0.3715	-149.04	0.1494	27.5202	-0.1153	0.38853		-519.23	-0.272
7	0.5317	-254.2	0.18886	38.5951	0.63699	-0.3191	15.6519	-631.11	-0.219



LAG 2

Number In Model	RSquare	Intercept	FEF_2	PH_2	SULF_2	DOC_2	TKNF_2	TPF_2	SO4F_2
1	0.309	35.4473	0.74117						
1	0.2497	83.0561				-0.4412			
1	0.1521	60.6791						-173.13	
1	0.141	39.16							0.61698
1	0.1275	-624.72		97.803					
1	0.0933	72.048					-4.2238		
1	0.0117	59.4684			-1.1119				
2	0.4896	19.7378	0.79011						0.70077
2	0.4292	-621.65	0.73253	94.9905					
2	0.417	60.7669	0.58076			-0.309			
2	0.3749	43.3567	0.65087					-117.85	
2	0.3715	75.3878				-1.1017	11.4172		
2	0.3441	49.3098	0.68469				-2.658		
2	0.3302	69.6503				-0.3915			0.47505
2	0.3211	-435.86		74.5307		-0.3957			
2	0.3096	37.2922	0.73612		-0.2588				
2	0.2772	95.707			-1.7151	-0.4579			
2	0.2702	94.3684				-0.7073		148.088	
2	0.2577	-558.2		89.3512				-160.8	
2	0.2264	49.0367						-135.75	0.46869
2	0.1895	-416.81		66.3977					0.45053
2	0.1873	55.7538					-3.0823		0.52187
2	0.1845	-516.3		84.4424			-3.3705		
2	0.1696	69.9758			-1.3622			-176.73	
2	0.1601	51.7835					2.68283	-249.58	
2	0.1411	38.4841			0.08753				0.6213
2	0.1275	-623.77		97.6803	-0.0154				
2	0.1207	85.5975			-1.7294		-4.6406		
3	0.5441	40.4029	0.66606			-0.2262			0.60561
3	0.5238	-363.42	0.77514	55.8482					0.55918
3	0.5049	25.3686	0.73906					-60.142	0.62965
3	0.5041	8.75858	0.82073		1.32446				0.76935
3	0.5018	56.3454				-1.1771	13.837		0.6172
3	0.5	-500.42	0.60141	80.488		-0.2551			
3	0.4943	25.7763	0.76624				-1.0126		0.66699
3	0.4857	58.2169	0.49303			-0.8386	8.80971		
3	0.4815	-578.41	0.65229	89.7617				-105.34	
3	0.4565	-492.91		81.5603		-1.0897	12.0705		
3	0.4437	-565.82	0.69617	88.232			-1.7402		
3	0.4361	-677.46	0.74949	102.129	0.90312				
3	0.4247	68.4261	0.56347			-0.4775		91.5796	
3	0.4242	68.3137	0.55588		-0.8937	-0.3234			
3	0.3844	85.6004				-0.8311		251.366	0.59027
3	0.3823	83.8796			-1.0938	-1.0759	10.7869		
3	0.3818	35.1486	0.6493				2.48806	-188.89	
3	0.3776	47.3921	0.63837		-0.5426			-120.34	
3	0.3716	76.3658				-1.1144	11.2772	11.571	
3	0.3586	-283.68		51.2407		-0.3729			0.35332

3	0.3487	55.5928	0.66598		-0.7226		-2.875		
3	0.3356	76.9109			-0.8134	-0.4041			0.43037
3	0.3292	-391.89		69.2637		-0.5707		95.5896	
3	0.3279	-373.35		66.5104	-0.9046	-0.4094			
3	0.3027	109.579			-1.875	-0.758		166.154	
3	0.2917	-676.53		103.675			5.76644	-323.16	
3	0.2808	-434.17		70.4145				-140.52	0.28694
3	0.2589	-534.55		86.3031	-0.3729			-162.2	
3	0.2341	40.3047					2.63947	-211.03	0.46789
3	0.2281	52.7818			-0.4542			-139.02	0.44271
3	0.2269	-359.83		60.2826			-2.7836		0.37997
3	0.1923	-443.12		69.5789	0.57861				0.4711
3	0.1904	61.7699			-0.618		-3.3135		0.48425
3	0.1886	-464		77.746	-0.7197		-3.6117		
3	0.1727	63.1471			-1.2014		1.72848	-225.56	
4	0.6512	33.9615	0.56838			-0.884	11.1599		0.70112
4	0.5801	54.5929	0.63981			-0.592		205.463	0.69465
4	0.5781	-534.95	0.5089	85.0501		-0.8176	9.40699		
4	0.57	-296.43	0.66214	48.8734		-0.2095			0.48874
4	0.5488	-441.4	0.81367	65.0724	1.77308				0.6276
4	0.5475	33.4555	0.69019		0.65957	-0.21			0.64658
4	0.5423	-375.52	0.71819	58.5169				-66.246	0.47408
4	0.5285	-286.24		49.6929		-1.1552	13.7694		0.49846
4	0.5264	-348.94	0.75745	54.4046			-0.7667		0.53726
4	0.5137	15.5269	0.77305		1.06159			-49.017	0.69778
4	0.5132	-692.59	0.649	103.594			5.56934	-262.43	
4	0.5113	17.471	0.73739				2.40339	-128.86	0.62856
4	0.5108	64.422				-1.3018	12.6614	109.469	0.65531
4	0.5049	12.3933	0.80748		1.20891		-0.4489		0.74839
4	0.5034	51.8979			0.45757	-1.1914	14.2144		0.64622
4	0.5007	-486.64	0.59559	78.8551		-0.3088		28.5898	
4	0.5003	-513.67	0.60693	82.1659	0.18307	-0.2511			
4	0.488	62.591	0.48113		-0.51	-0.8329	8.5787		
4	0.4858	57.3983	0.49371			-0.828	8.91996	-9.4058	
4	0.4842	-615.32	0.66561	94.4736	0.57542			-102.04	
4	0.4607	-531.78		86.231		-1.007	13.0133	-74.805	
4	0.4565	-490.7		81.2775	-0.0306	-1.089	12.0506		
4	0.4461	-607.63	0.71137	93.5304	0.56058		-1.5168		
4	0.434	78.2072	0.53236		-1.0291	-0.518		104.615	
4	0.3927	-121.17		29.6392		-0.7542		213.548	0.50253
4	0.3899	92.8678			-0.814	-0.8437		251.385	0.54556
4	0.3832	87.206			-1.1522	-1.1118	10.3418	33.9961	
4	0.3827	38.4693	0.64184		-0.3309		2.22746	-182.97	
4	0.36	-262.07		48.6472	-0.4171	-0.3803			0.33657
4	0.3393	-306.11		58.3336	-1.1146	-0.6224		114.613	
4	0.3082	-559.63		86.1788			5.22338	-290.58	0.24468
4	0.2934	-717.24		108.835	0.471		6.29406	-336.24	
4	0.2808	-435.93		70.6237	0.03945			-140.25	0.28866
4	0.2344	42.4092			-0.1939		2.48651	-208.07	0.45685
4	0.2269	-354.9		59.6967	-0.0917		-2.8208		0.37576
5	0.6761	-296.63	0.56496	47.9718		-0.8647	11.1108		0.58598
5	0.6697	16.4872	0.61737		1.59929	-0.9089	12.2484		0.80977

5	0.6583	41.2745	0.56495			-0.9966	10.1313	97.2926	0.73447
5	0.5899	-171.26	0.64251	32.3556		-0.5071		163.985	0.5993
5	0.5858	-588.68	0.51745	91.4806		-0.7002	10.6484	-102.05	
5	0.5828	48.1757	0.66192		0.59872	-0.5745		203.862	0.73114
5	0.5824	-590.77	0.52776	92.1294	0.75174	-0.8243	9.79718		
5	0.5794	-356.41	0.70338	55.8309	1.14254	-0.179			0.54307
5	0.5634	-486.33	0.71003	72.4918			4.58567	-198.83	0.43484
5	0.5593	-438.88	0.76374	65.7307	1.50277			-51.25	0.55133
5	0.5489	-445.36	0.81736	65.4963	1.80865		0.12682		0.6326
5	0.5349	-334.98		55.4392	0.9379	-1.1821	14.5353		0.5442
5	0.5308	-830.56	0.68468	120.967	1.58607		7.33527	-303.14	
5	0.5298	-252.18		45.2298		-1.2081	13.2961	44.6465	0.52466
5	0.5263	0.30206	0.78307		1.45124		3.53388	-145.98	0.72118
5	0.5117	60.7731			0.34761	-1.3085	12.9875	105.807	0.67607
5	0.5009	-496.76	0.59982	80.1259	0.12264	-0.3013		26.0212	
5	0.488	62.7043	0.481		-0.5121	-0.8342	8.56488	1.10077	
5	0.461	-549.66		88.4954	0.20293	-1.0046	13.2236	-81.022	
5	0.3956	-85.458		25.2976	-0.6078	-0.7749		219.102	0.48199
5	0.3131	-617.84		93.2382	0.8356		6.09438	-309.88	0.27399
6	0.7077	-409.56	0.62991	60.9501	2.15055	-0.893	12.5613		0.70093
6	0.6768	-271.18	0.56402	44.6428		-0.9046	10.7619	33.3313	0.6054
6	0.6745	23.5613	0.61165		1.50514	-1.0005	11.334	80.4263	0.83095
6	0.6028	-650.48	0.78013	91.9233	2.45999		7.08694	-246.6	0.53991
6	0.5964	-230.13	0.67833	39.323	0.95422	-0.4608		152.502	0.63693
6	0.5955	-697.12	0.5505	105.09	1.18963	-0.6668	11.7304	-140.24	
6	0.5353	-313.62		52.6751	0.88837	-1.2098	14.2339	24.6152	0.55624
7	0.7079	-424.83	0.63154	62.9155	2.18867	-0.8727	12.769	-17.375	0.69285

## LAG 3

Number In Model	RSquare	Intercept	FEF_3	PH_3	SULF_3	DOC_3	TKNF_3	TPF_3	SO4F_3
1	0.3546	85.0181				-0.6741			
1	0.3	1033.09		-144.31					
1	0.2263	48.6327						-223.21	
1	0.178	67.8421					-6.4354		
1	0.11	27.7663	0.16321						
1	0.0597	29.0446							0.13546
1	0.0441	51.6167			-2.5341				
2	0.4721	750.77		-98.053		-0.5099			
2	0.4193	83.8264				-1.2586	8.77795		
2	0.4169	870.359		-119.35				-166.44	
2	0.3812	96.5104			-1.9742	-0.6593			
2	0.3753	77.3125	0.07493			-0.6174			
2	0.3749	79.1098				-0.6454			0.08013
2	0.3634	889.034		-120.51			-4.078		
2	0.355	86.3177				-0.7039		15.1319	
2	0.3344	990.878		-138.92					0.10336
2	0.3206	1011.59		-139.6	-1.7422				
2	0.3152	932.2	0.06617	-130.17					
2	0.2802	41.6435	0.11717					-198.5	
2	0.2576	61.9036			-2.1376			-217.31	
2	0.2562	43.2786						-210.52	0.09707
2	0.2268	50.9394					-0.666	-205.51	
2	0.2122	57.3525	0.09838			-5.2735			
2	0.2048	79.056			-1.9841	-6.1517			
2	0.197	61.1892				-5.8594			0.07916
2	0.1118	28.298	0.19159						-0.0394
2	0.1106	24.6542	0.17454		0.40448				
2	0.063	36.5277			-0.9498				0.10528
3	0.5318	735.837		-96.023		-1.0754	8.44156		
3	0.4888	734.407		-94.297	-1.5709	-0.5044			
3	0.4881	734.194		-96.388		-0.4871			0.07143
3	0.4736	723.746	0.02138	-94.397		-0.4998			
3	0.4723	752.502		-98.46		-0.4857		-11.943	
3	0.464	74.5085				-1.3386	10.6392		0.12295
3	0.4594	72.6523	0.10673			-1.2748	10.2344		
3	0.4546	97.0434			-2.2848	-1.2825	9.39324		
3	0.437	846.649		-116.55				-157.34	0.07984
3	0.4363	72.8437				-1.1944	11.4715	-123.61	
3	0.4338	853.312		-115.45	-1.5801			-163.93	
3	0.4232	809.591	0.04311	-110.9				-161.37	
3	0.4227	894.674		-124.08			2.36634	-227.07	
3	0.3829	90.5638	0.03008		-1.484	-0.6402			
3	0.3829	91.3974			-1.5003	-0.6515			0.03193
3	0.3817	97.9411			-1.9767	-0.6918		16.4878	
3	0.3798	877.331		-119.7			-3.5583		0.07361
3	0.3789	875.751		-117.3	-1.5179		-3.9238		
3	0.3772	77.454	0.0432			-0.6263			0.04234
3	0.3753	80.5911				-0.6798		17.4535	0.08038

3	0.3753	77.7672	0.07465			-0.6274		4.96159	
3	0.3663	852.297	0.0301	-115.59			-3.8187		
3	0.338	1060.74	-0.0598	-148.97					0.15566
3	0.3349	991.076		-138.53	-0.3671				0.09178
3	0.3216	979.535	0.02412	-135.48	-1.3595				
3	0.2856	32.3717	0.1327				2.40959	-259.25	
3	0.2808	41.9117	0.13346					-198	-0.0225
3	0.2808	44.674	0.10616		-0.3824			-199.76	
3	0.2625	53.8407			-1.3243			-212.41	0.05464
3	0.2576	62.2777			-2.1328		-0.1166	-214.22	
3	0.2568	40.4227					0.76511	-230.36	0.10081
3	0.2145	64.5719	0.07354		-0.8087		-5.4513		
3	0.2125	57.4332	0.10926				-5.2524		-0.0148
3	0.2059	74.5092			-1.5858		-6.01		0.02731
3	0.1119	26.6633	0.19468		0.20594				-0.0357
4	0.5693	706.67		-92.984		-1.1544	10.157		0.11262
4	0.5584	752.415		-100.5		-0.9861	11.8111	-155.35	
4	0.5555	715.334		-91.402	-1.8797	-1.1038	8.96394		
4	0.5412	665.569	0.0545	-86.514		-1.1018	9.21851		
4	0.5033	865.954	-0.1238	-115.08		-0.5114			0.17805
4	0.4943	798.231	-0.058	-102.04	-2.483	-0.5285			
4	0.4923	54.5749	0.12953			-1.1865	14.3938	-176.6	
4	0.4915	731.294		-94.794	-0.9682	-0.4936			0.04047
4	0.4893	60.111				-1.2674	14.1291	-151.86	0.1349
4	0.4889	735.862		-94.637	-1.568	-0.4845		-9.816	
4	0.4883	735.595		-96.711		-0.4681		-9.4031	0.07127
4	0.4739	85.7663			-2.3605	-1.2147	12.2868	-131.85	
4	0.4739	725.052	0.02194	-94.774		-0.4713		-13.918	
4	0.4674	82.5483			-0.9698	-1.3279	10.4151		0.09089
4	0.4667	72.7355	0.04603			-1.3194	10.6589		0.08276
4	0.4639	82.8686	0.07189			-1.1355	-1.2814	10.0647	
4	0.4505	879.84		-123.38			3.72669	-250.87	0.09702
4	0.4423	929.186	-0.0717	-128.42				-158.66	0.14233
4	0.4414	880.244		-120.65	-1.6666		2.71194	-233.28	
4	0.439	845.659		-115.55	-0.7439			-158.86	0.05615
4	0.4352	816.748	0.06435	-113.94			3.61007	-251.37	
4	0.434	868.548	-0.0123	-117.39	-1.7741			-165.07	
4	0.3886	980.027	-0.0947	-134.28			-3.8039		0.1543
4	0.3834	92.8336			-1.4986	-0.685		17.0907	0.03223
4	0.3833	89.7277	0.01851		-1.3831	-0.6428			0.0195
4	0.3832	91.9175	0.02862		-1.5097	-0.6653		12.269	
4	0.3822	874.334		-118.22	-0.8405		-3.6664		0.0462
4	0.3813	918.283	-0.0392	-122.43	-2.1241		-4.1998		
4	0.3774	78.4512	0.04112			-0.6484		10.8102	0.04431
4	0.3399	1077.43	-0.0738	-150.52	-0.7546				0.14405
4	0.2865	32.3769	0.15416				2.49767	-260.83	-0.0288
4	0.2857	33.2197	0.12993		-0.0867		2.36783	-258.48	
4	0.2818	46.4899	0.12453		-0.5626			-199.64	-0.0325
4	0.2628	51.7737			-1.2948		0.49062	-225.09	0.05798
4	0.2155	66.2996	0.09148		-0.9828		-5.4444		-0.0316
5	0.6048	722.433		-97.826		-1.06	14.2906	-180.96	0.12631
5	0.5839	731.691		-95.852	-1.9522	-1.0126	12.4697	-160.7	

5	0.5822	828.538	-0.1142	-110.26		-1.1677	10.0186		0.21036
5	0.5765	655.637	0.07734	-87.798		-1.0077	13.5131	-182.98	
5	0.57	705.545		-92.245	-0.4705	-1.1507	10.0521		0.09714
5	0.5558	730.789	-0.0138	-93.285	-2.0917	-1.1004	8.8264		
5	0.5142	899.522	-0.1606	-117.57	-1.8572	-0.531			0.15032
5	0.5034	866.211	-0.1248	-115.04		-0.5231		5.6764	0.17904
5	0.497	55.2949	0.07983			-1.2256	14.5853	-170.22	0.06663
5	0.4943	798.358	-0.0577	-102.11	-2.4766	-0.5215		-3.3918	
5	0.4937	60.9276	0.1092		-0.6368	-1.1932	14.1551	-170.51	
5	0.4916	67.0828			-0.8087	-1.2598	13.8774	-149.04	0.10794
5	0.4916	732.666		-95.112	-0.9674	-0.475		-9.1932	0.04034
5	0.4685	79.5742	0.03239		-0.7616	-1.3167	10.4771		0.0695
5	0.4527	930.941	-0.0472	-130.53			3.36806	-242.73	0.13647
5	0.4514	878.064		-122.49	-0.4921		3.60088	-248.71	0.08077
5	0.4473	954.343	-0.095	-130.59	-1.2496			-161.64	0.12285
5	0.4417	862.571	0.01638	-118.59	-1.4166		2.97672	-238.53	
5	0.3962	1008.46	-0.126	-136.38	-1.5564		-4.0854		0.13025
5	0.3836	91.2408	0.01537		-1.4015	-0.673		14.6313	0.02187
5	0.2868	35.0169	0.14891		-0.2699		2.38147	-258.69	-0.0334
6	0.6109	806.713	-0.0802	-109.56		-1.0772	13.8519	-166.01	0.19382
6	0.605	721.754		-97.41	-0.248	-1.0586	14.2127	-179.97	0.11808
6	0.5871	852.462	-0.1394	-112.1	-1.2593	-1.1606	9.7072		0.19056
6	0.5847	706.2	0.0234	-92.859	-1.5957	-1.0143	12.8643	-168.08	
6	0.5144	900.243	-0.1628	-117.51	-1.8704	-0.5531		10.6653	0.15198
6	0.4973	58.3771	0.0737		-0.3146	-1.2259	14.4523	-167.71	0.06139
6	0.4551	948.628	-0.0665	-131.84	-0.8882		2.99435	-235.52	0.12327
7	0.613	823.334	-0.0981	-110.8	-0.8288	-1.0761	13.4932	-159.35	0.18145

## LAG 4

Number In Model	RSquare	Intercept	FEF_4	PH_4	SULF_4	DOC_4	TKNF_4	TPF_4	SO4F_4
1	0.1459	87.3183				-0.6823			
1	0.0684	50.0364						-150.46	
1	0.0349	36.0927	0.1426						
1	0.0345	61.5862					-4.2127		
1	0.005	196.48		-22.309					
1	0.0033	44.9608							-0.0504
1	0.0002	43.9887			-0.2326				
2	0.2401	87.4784				-1.6746	14.3844		
2	0.1553	92.5022				-0.7			-0.085
2	0.1527	81.484	0.06576			-0.639			
2	0.1512	245.861		-22.974		-0.6831			
2	0.1474	90.9011				-0.7631		34.5152	
2	0.1468	90.4914			-0.4977	-0.6847			
2	0.1308	43.1638	0.42098						-0.4171
2	0.1012	477.493		-61.661				-192.24	
2	0.0893	44.2411	0.11171					-136.04	
2	0.0829	28.3572					6.42686	-298.11	
2	0.076	53.9089						-155.93	-0.0761
2	0.0694	53.0753			-0.4924			-151.53	
2	0.0544	52.3425	0.11195				-3.2924		
2	0.0484	328.425		-38.257			-4.8584		
2	0.0476	20.0161	0.20222		2.20438				
2	0.0437	67.5697					-4.6452		-0.0852
2	0.0352	75.7091	0.13862	-5.7163					
2	0.0347	62.9669			-0.2281		-4.2122		
2	0.0079	191.866		-21.318					-0.0469
2	0.0067	53.5324			-1.1385				-0.0856
2	0.0053	199.607		-22.518	-0.2769				
3	0.3382	42.7658				-1.902	32.3508	-432.67	
3	0.2507	80.2103	0.08195			-1.6422	14.6982		
3	0.2471	-120.38		30.1242		-1.8206	16.5135		
3	0.2432	93.2442			-0.904	-1.6936	14.5971		
3	0.241	89.118				-1.6583	14.0658		-0.027
3	0.2158	81.1567	0.30594			-0.5522			-0.3442
3	0.1804	50.7836	0.38467					-130.08	-0.4069
3	0.1668	110.096			-2.1201	-0.7241			-0.1519
3	0.1598	239.061		-21.268		-0.7			-0.0816
3	0.1565	95.5627				-0.7708	30.3726	-0.0835	
3	0.1552	197.021	0.05313	-16.58		-0.6478			
3	0.1539	84.7506	0.06399			-0.7102		29.961	
3	0.1533	76.9953	0.08066		0.49669	-0.6268			
3	0.1523	252.193		-23.389	-0.5441	-0.6857			
3	0.1512	247.815		-23.28		-0.6795		-1.511	
3	0.1494	-304.82	0.51789	50.4373					-0.5096
3	0.1483	93.7853			-0.4707	-0.7627		33.3937	
3	0.1482	58.4323	0.38902				-3.109		-0.4126
3	0.1319	37.9909	0.43133		0.6812				-0.405
3	0.1312	554.621		-77.443			9.56883	-422.78	

3	0.118	10.2203	0.15165			9.47122	-348.49	
3	0.1082	477.458		-61.119			-197.13	-0.0731
3	0.1077	394.334	0.06772	-50.172			-175.71	
3	0.103	488.432		-62.625	-0.6891		-194.4	
3	0.0939	33.8576	0.15026		1.3585		-128.09	
3	0.0866	33.7274				5.66232	-284.5	-0.0549
3	0.086	69.381			-1.9873		-164.81	-0.1392
3	0.0851	31.94			-0.7673	6.76857	-307.64	
3	0.0619	37.6935	0.16256		1.72953		-2.88	
3	0.0592	224.217	0.0894	-24.375			-3.8892	
3	0.0573	331.562		-37.862			-5.2776	-0.0839
3	0.0512	81.802			-1.7119		-4.9214	-0.1403
3	0.0487	331.941		-38.498	-0.3031		-4.8618	
3	0.0477	-9.3687	0.20687	4.17239	2.26856			
3	0.0113	201.327		-21.437	-1.1471			-0.0825
4	0.3646	26.7735	0.13181			-1.8717	34.5847	-474.31
4	0.3504	51.6192			-1.8121	-1.9538	33.8638	-458.84
4	0.3392	40.0477				-1.9246	33.0704	-441.6
4	0.3388	107.61		-9.5866		-1.8621	32.1971	-445.29
4	0.2808	80.172	0.25185			-1.4251	12.4289	-0.2471
4	0.2683	-280.17	0.1255	51.6689		-1.8753	18.5169	
4	0.2507	78.722	0.08688		0.16488	-1.6368	14.6783	
4	0.2502	-114.57		30.1173	-0.9035	-1.8395	16.7256	
4	0.249	103.963			-1.7814	-1.6609	13.8083	-0.0842
4	0.2477	-115.5		29.6184		-1.8042	16.2075	-0.0229
4	0.2222	-127.81	0.36997	29.9803		-0.5213		-0.4033
4	0.2169	87.2069	0.29284		-0.6706	-0.5661		-0.3543
4	0.2159	80.6697	0.30696			-0.5413		-4.4569
4	0.2079	17.4639	0.42188				9.26365	-337.91
4	0.181	-23.177	0.40755	10.6458				-121.37
4	0.1805	52.4168	0.38121		-0.2062			-131.24
4	0.1714	258.244		-21.488	-2.1287	-0.7241		-0.1487
4	0.1674	111.956			-2.0752	-0.7752	22.1607	-0.1494
4	0.1598	243.663		-21.988		-0.6917		-3.5624
4	0.1566	-200.95	0.46958	36.9293			-2.1742	-0.4816
4	0.1553	187.808	0.06042	-15.539	0.21635	-0.6419		
4	0.1553	186.567	0.05392	-14.962		-0.6648	7.52358	
4	0.1545	80.2391	0.079		0.50072	-0.6982	30.0856	
4	0.1527	-338.08	0.54249	53.968	1.17176			-0.4953
4	0.1523	257.894		-24.276	-0.5494	-0.6755		-4.3612
4	0.1482	57.0687	0.39177		0.15626		-3.073	-0.4098
4	0.1457	439.162	0.10364	-62.276			11.0341	-432.79
4	0.1362	578.025		-80.091	-1.1579		10.1919	-441.42
4	0.133	549.847		-76.183			8.97878	-411.15
4	0.1238	-2.1972	0.19586		1.52717		9.67858	-344.2
4	0.1208	512.982		-63.729	-2.24			-208.9
4	0.108	374.667	0.0794	-47.721	0.33576			-171.81
4	0.0967	49.195			-1.9899		5.66909	-293.54
4	0.0656	354.671		-39.024	-1.8052		-5.5882	-0.142
4	0.0636	150.006	0.13898	-15.55	1.41521		-3.3357	
5	0.3854	28.7854	0.27148			-1.682	31.933	-456.17
5	0.3657	-65.279	0.14159	13.4335		-1.9253	34.966	-459.73



5	0.3649	29.7411	0.1215		-0.3515	-1.8841	34.7035	-476.13	
5	0.3517	57.3475			-2.2214	-1.9344	33.2185	-452.51	-0.0405
5	0.3514	134.945		-12.295	-1.8452	-1.9036	33.6943	-475.5	
5	0.3399	105.972		-9.7504		-1.8843	32.9215	-454.52	0.02982
5	0.331	-585.49	0.43072	95.4346		-1.7298	18.1672		-0.3902
5	0.2818	85.8524	0.23961		-0.6295	-1.4373	12.4175		-0.2566
5	0.2711	-337.37	0.16475	58.4155	1.12381	-1.8689	18.8796		
5	0.2552	-92.607		28.3787	-1.7194	-1.8007	15.8693		-0.0783
5	0.2245	-210.72	0.38509	42.6992		-0.6365		52.577	-0.4155
5	0.2224	-115.96	0.36094	28.6964	-0.3218	-0.5293			-0.4056
5	0.2169	86.6383	0.29403		-0.6761	-0.5524		-5.6654	-0.3557
5	0.208	44.7583	0.41373	-3.9825			9.36749	-343.5	-0.3966
5	0.2079	17.6503	0.42149		-0.0221		9.26046	-337.97	-0.4045
5	0.181	-20.515	0.40602	10.319	-0.0493			-121.91	-0.4274
5	0.1716	279.877		-24.827	-2.1635	-0.6861		-16.505	-0.1501
5	0.1577	-234.16	0.49068	40.757	0.72542		-1.9099		-0.4762
5	0.1554	171.391	0.06305	-13.079	0.26212	-0.6643		10.4126	
5	0.1464	587.486		-79.094	-2.3049		9.11336	-426.47	-0.1111
5	0.1458	424.099	0.11251	-60.392	0.25628		11.0216	-429.52	
6	0.3979	-322.19	0.36498	51.3372		-1.8104	32.3251	-393.15	-0.2886
6	0.3878	37.5285	0.25184		-1.0181	-1.704	32.0832	-460.12	-0.2209
6	0.3658	-57.877	0.13711	12.5136	-0.1301	-1.9262	34.9838	-461.4	
6	0.3528	143.452		-12.684	-2.2657	-1.8823	33.0278	-469.54	-0.0415
6	0.3317	-611.96	0.44783	98.4716	0.58677	-1.728	18.3605		-0.3859
6	0.2246	-204.86	0.38168	41.9827	-0.1097	-0.6367		51.4238	-0.416
6	0.208	49.607	0.41096	-4.5797	-0.0895		9.37011	-344.55	-0.397
7	0.3982	-303.09	0.35378	48.9951	-0.36	-1.8123	32.3603	-397.42	-0.2901

LAG 5

Number In Model	RSquare	Intercept	FEF_5	PH_5	SULF_5	DOC_5	TKNF_5	TPF_5	SO4F_5
1	0.3021	75.9507				-0.545			
1	0.1897	42.2331						-112.45	
1	0.1805	-998.71		149.136					
1	0.1627	58.8915					-4.7392		
1	0.0308	40.8825	-0.6623						
1	0.0005	35.3186			-0.2389				
1	0	33.2153							0.01236
2	0.435	-818.76		128.817		-0.5036			
2	0.3535	-1498	-1.7637	224.172					
2	0.3306	83.0098	-0.637			-0.543			
2	0.3258	-863.52		130.732				-99.339	
2	0.3139	76.3276				-0.7126	2.36147		
2	0.3128	86.0687			-1.0996	-0.5601			
2	0.3036	73.7811				-0.5022		-14.973	
2	0.3023	76.6754				-0.5455			-0.0533
2	0.2958	-842.71		129.737			-4.0412		
2	0.2182	52.5729						-129.71	-0.693
2	0.2083	47.8374	-0.5169					-109.22	
2	0.2025	68.1879	-0.7545				-4.8775		
2	0.2016	-1086.5		163.69	-1.5871				
2	0.1997	51.2829			-1.0684			-117.01	
2	0.192	46.7214					-1.1582	-90.258	
2	0.1885	-1046.9		155.454					0.34684
2	0.1864	75.9111			-1.7047		-5.3248		
2	0.173	65.779					-5.0516		-0.4017
2	0.0321	44.0187	-0.6719			-0.3723			
2	0.032	42.9281	-0.69						-0.1337
2	0.0005	35.2799				-0.2381			0.00249
3	0.5795	-1286.3	-1.6164	198.703		-0.4758			
3	0.4777	-935.84		148.687	-2.2753	-0.5282			
3	0.4641	-1338.5	-1.7402	204.165			-3.9599		
3	0.4587	-864.08		135.419		-0.7402	3.36498		
3	0.4518	-1318.5	-1.5285	198.793				-82.977	
3	0.4388	-853.2		133.307		-0.5002			0.23898
3	0.4351	-817.36		128.53		-0.492		-4.0566	
3	0.4147	-1722.2	-2.012	260.246	-2.7819				
3	0.3665	-976.58		149.777	-2.2307			-106.96	
3	0.3578	-966.56		151.634	-2.8361		-4.8977		
3	0.3546	-1510.5	-1.7446	225.705					0.12878
3	0.3439	94.6827	-0.6677		-1.2317	-0.5597			
3	0.3383	82.8433	-0.5943			-0.6797	1.92415		
3	0.3374	65.107				-0.6995	5.43685	-80.826	
3	0.3331	86.1323	-0.6776			-0.5445			-0.1966
3	0.331	-809.38		123.579				-107.72	-0.3075
3	0.3309	81.898	-0.6286			-0.5229		-7.0291	
3	0.3261	-858.47		130.225			-0.3974	-91.779	
3	0.3188	83.5455			-0.7942	-0.6836	1.79898		
3	0.3152	83.7748			-1.1523	-0.5059		-19.175	

3	0.3151	74.4019				-0.7361	2.70811		0.14572
3	0.3135	87.773			-1.1339	-0.5614			-0.1022
3	0.3051	74.8405				-0.477		-24.273	-0.1771
3	0.2959	-834.85		128.718			-4.0819		-0.0453
3	0.2476	61.7827	-0.6621					-128.97	-0.829
3	0.2366	66.7211			-1.4758			-138.76	-0.8034
3	0.2327	88.2139	-0.8165		-1.9294		-5.5517		
3	0.2258	80.4697	-0.8918				-5.383		-0.6176
3	0.2199	57.8658	-0.54		-1.1543			-114.01	
3	0.2187	54.5382					-0.5628	-118.57	-0.6785
3	0.2165	57.7305	-0.6185				-2.2687	-65.127	
3	0.208	-1126.8		168.866	-1.5313				0.31223
3	0.2069	62.2761			-1.3788		-2.1582	-76.992	
3	0.2052	88.6073			-2.0277		-5.8654		-0.5524
3	0.0336	46.8514	-0.7053		-0.4277				-0.1546
4	0.669	-1544.7	-1.9084	240.859	-3.3816	-0.5075			
4	0.5946	-1310.2	-1.5733	202.142		-0.6666	2.70161		
4	0.5904	-1624	-2.1044	251.881	-4.1629		-5.2		
4	0.5829	-1307.5	-1.662	202.316		-0.541		23.2153	
4	0.5796	-1290.7	-1.6101	199.243		-0.4753			0.04309
4	0.5318	-1558.8	-1.791	237.792	-3.1989			-91.093	
4	0.4859	-946.25		149.772	-1.9262	-0.6727	2.10716		
4	0.4829	-877.79		135.753		-0.7269	6.48904	-82.04	
4	0.4804	-979.38		150.793		-0.8472	5.01543		0.64591
4	0.4798	-960.32		151.806	-2.2388	-0.5252			0.18297
4	0.4784	-933.41		148.147	-2.3007	-0.4979		-10.78	
4	0.4687	-1301.3	-1.7803	199.569			-4.2098		-0.2801
4	0.466	-1324.6	-1.6766	201.573			-2.9908	-24.483	
4	0.4614	-1253.8	-1.5593	190.405				-94.077	-0.4195
4	0.4395	-867.69		135.523		-0.5354		12.7633	0.3089
4	0.4148	-1724.7	-2.0062	260.522	-2.7725				0.03343
4	0.3766	-908.29		141.034	-2.3816			-119.22	-0.4312
4	0.3735	-965.04		149.671	-2.5352		-2.1223	-67.615	
4	0.3604	-934.02		147.605	-2.9292		-5.1152		-0.2107
4	0.3511	72.7854	-0.465			-0.6767	4.38746	-62.239	
4	0.3484	99.8195	-0.7247		-1.3313	-0.563			-0.264
4	0.3464	92.6494	-0.6367		-1.0278	-0.6397	1.165		
4	0.3448	93.1664	-0.6548		-1.2602	-0.5278		-11.293	
4	0.339	69.9876			-0.4712	-0.6829	4.93913	-76.515	
4	0.3384	83.6441	-0.6074			-0.671	1.79622		-0.0497
4	0.3378	65.7529				-0.6842	5.37277	-84.823	-0.0909
4	0.3357	84.3555	-0.6741			-0.4799		-22.863	-0.3124
4	0.3311	-807.91		123.454			-0.1706	-104.36	-0.3035
4	0.3191	86.6845			-1.2906	-0.4657		-34.694	-0.2858
4	0.319	82.2967			-0.7439	-0.695	1.97711		0.05991
4	0.2725	110.389	-1.019		-2.4715		-6.4222		-0.8321
4	0.271	78.6191	-0.7196		-1.6728			-139.17	-0.966
4	0.2527	69.032	-0.7365				-1.7798	-93.652	-0.7986
4	0.2411	74.951			-1.7092		-1.7161	-106.22	-0.7767
4	0.2389	78.7908	-0.7162		-1.7127		-3.6863	-44.677	
5	0.671	-1559.4	-1.9417	243.372	-3.3587	-0.5578		17.9899	
5	0.6694	-1538.3	-1.922	240.154	-3.4055	-0.5087			-0.0801

5	0.6693	-1542.6	-1.8954	240.443	-3.3068	-0.5355	0.40643		
5	0.6103	-1568.2	-2.2183	245.99	-4.4962		-5.8274		-0.5918
5	0.6008	-1354	-1.5081	207.69		-0.7275	3.62185		0.34937
5	0.5962	-1297.7	-1.5164	199.816		-0.6657	3.56326	-21.997	
5	0.595	-1664.4	-2.2306	259.049	-4.4199		-6.8551	39.8799	
5	0.5855	-1342.9	-1.6529	207.209		-0.5736		35.8112	0.23408
5	0.5524	-1482.1	-1.8573	228.473	-3.4516			-108.14	-0.6202
5	0.5015	-944.74		147.82	-1.6275	-0.6722	4.86349	-67.261	
5	0.4976	-1019.1		158.885	-1.5836	-0.7658	3.58314		0.49008
5	0.4924	-956.41		146.603		-0.8062	6.89698	-61.936	0.45926
5	0.4799	-959.42		151.671	-2.242	-0.5227		-0.9268	0.17781
5	0.4732	-1267.8	-1.691	194.045			-2.7405	-39.033	-0.3649
5	0.3821	-902.86		141.563	-2.6428		-1.8964	-83.19	-0.4004
5	0.3552	81.4601	-0.5148		-0.758	-0.6477	3.47426	-53.312	
5	0.3541	98.733	-0.7249		-1.4885	-0.4671		-34.776	-0.4481
5	0.3532	74.9489	-0.5048			-0.6392	4.1482	-69.966	-0.2119
5	0.3487	98.2929	-0.7046		-1.2409	-0.5921	0.43087		-0.2242
5	0.3401	72.104			-0.5729	-0.6542	4.72626	-82.163	-0.1495
5	0.2882	98.1405	-0.8839		-2.1943		-3.5041	-72.816	-0.9488
6	0.6716	-1572.3	-1.988	245.699	-3.5006	-0.529	-0.8434	28.4698	
6	0.6711	-1562.5	-1.94	243.786	-3.3494	-0.5613		19.3627	0.02524
6	0.6694	-1538.8	-1.9121	240.11	-3.3615	-0.5227	0.20817		-0.0609
6	0.6114	-1592.4	-2.276	250.037	-4.6075		-6.6382	20.4776	-0.555
6	0.601	-1346.2	-1.4896	206.403		-0.7232	3.90492	-8.7577	0.3266
6	0.5066	-995.71		154.541	-1.4483	-0.7371	5.34511	-53.971	0.34074
6	0.3601	88.1006	-0.5969		-1.0349	-0.5769	2.75677	-62.449	-0.3399
7	0.6716	-1571.9	-1.9888	245.648	-3.5038	-0.528	-0.8521	28.3299	-0.0046

LAG 6

Number In Model	RSquare	Intercept	FEF_6	PH_6	SULF_6	DOC_6	TKNF_6	TPF_6	SO4F_6
1	0.4086	31.4064	0.49645						
1	0.3253	31.7351							0.50351
1	0.1469	91.8674							
1	0.1382	85.8228							
1	0.0896	57.741							
1	0.0693	74.5719							
1	0.0235	392.333							
2	0.4612	59.3389	0.44996						
2	0.4511	38.0752	0.47227						
2	0.4318	69.1079							
2	0.4193	29.9369	0.3916						
2	0.4189	42.205	0.47537						
2	0.4093	34.9979	0.48298						
2	0.4088	66.115	0.49384	-5.0236					
2	0.3816	39.1946							
2	0.3518	396.242							
2	0.35	47.9767							
2	0.3328	43.3201							
2	0.2968	131.462							
2	0.2421	96.7032							
2	0.2025	109.406							
2	0.164	91.7975							
2	0.1634	441.088							
2	0.1581	328.447							
2	0.147	91.239							
2	0.1395	571.257							
2	0.1005	472.877							
2	0.0896	56.984							
3	0.4929	58.3764	0.46195						
3	0.4911	66.8294							
3	0.4827	7.98929	0.51239						
3	0.4818	60.2064	0.29766						
3	0.4674	72.3854	0.40553						
3	0.4635	54.8394	0.45275						
3	0.4623	36.6118	0.36463						
3	0.4612	53.8731	0.45034	0.79429					
3	0.4561	206.869	0.45744	-24.342					
3	0.455	47.0635	0.43862						
3	0.4469	87.2245							
3	0.4466	342.1							
3	0.4322	70.8389							
3	0.4301	40.9704	0.36746						
3	0.4298	543.642							
3	0.4218	152.476	0.36515	-17.771					
3	0.4206	48.5011	0.4529						
3	0.4198	114.291	0.46902	-10.361					
3	0.4194	31.158	0.38866						
3	0.4097	81.2852	0.4779	-6.6358	-0.5271				

3	0.3963	56.0745			-2.1224			-132.02	0.41235
3	0.3952	20.111					5.24419	-239.59	0.50143
3	0.3812	446.742			-57.66		-3.5716		0.47657
3	0.3601	62.4382			-1.7584		-3.4437		0.42024
3	0.3595	409.274			-53.102	-1.5233			0.45853
3	0.3282	133.511			-6.0504	-1.1538	7.13577		
3	0.3087	376.531			-35.775	-5.7551	-0.6331		
3	0.2974	129.301			-5.7574	-0.6056		-20.541	
3	0.2972	636.738			-78.069	-5.8966		-193.55	
3	0.2475	86.507			-5.9901		3.29926	-240.99	
3	0.2354	518.094			-59.064	-5.4435	-5.4833		
3	0.1823	74.9382					-0.9839	10.3965	-150.91
3	0.1676	236.732			-21.165		-0.9113	4.22325	
3	0.1627	408.707			-47.303		-0.445		-63.396
3	0.143	594.705			-79.071			2.67957	-241.69
4	0.552	24.9226	0.49802				-0.8526	16.7595	-276.09
4	0.535	39.2919					-1.2174	18.2528	-235.99
4	0.5285	59.3109	0.25944				-1.0563	8.89292	0.28477
4	0.507	85.3777			-2.2041	-1.2505	10.0035		0.44875
4	0.5018	74.0075	0.40911		-1.7127	-0.939	7.46522		
4	0.4999	-151.39	0.47886	30.4547			-0.9963	8.65136	
4	0.4934	256.226	0.49448	-36.251				9.0121	-320.2
4	0.4929	7.07213	0.40908					8.031	-284.63
4	0.492	138.357		-10.435			-1.1816	9.43444	0.51694
4	0.4872	17.296	0.47694		-1.2006			8.22899	-294.39
4	0.4852	70.0068	0.2731		-1.0764	-0.4515			0.19864
4	0.4837	167.496	0.27489	-15.579		-0.4293			0.23247
4	0.4823	58.0365	0.30333			-0.3841		-18.417	0.20508
4	0.4749	320.59	0.29936	-41.032				-125.02	0.21149
4	0.4697	67.8902	0.40815		-1.4318	-0.3229		-39.085	
4	0.4675	94.7474	0.40319	-3.2148	-1.4518	-0.4195			
4	0.4643	43.271	0.3482		-0.8227			-112.27	0.14235
4	0.4641	117.536	0.44916	-9.299		-0.2626		-49.721	
4	0.4625	261.256	0.40973	-30.492	-1.4751			-127.27	
4	0.4615	357.999		-39.588	-2.135	-0.5364			0.40926
4	0.46	612.267		-87.18			8.05629	-332.14	0.51114
4	0.4488	396.937		-48.594		-0.4022		-43.353	0.47531
4	0.447	87.9014			-2.1372	-0.5803		7.30515	0.40633
4	0.4465	573.066		-74.648	-2.2726			-158.43	0.40608
4	0.4349	211.65	0.32817	-24.571			-2.439		0.1883
4	0.4306	44.6548	0.35868		-0.4276		-2.2622		0.14779
4	0.4221	143.312	0.44057	-13.462	-0.8751		-2.4155		
4	0.4221	158.652	0.3593	-18.367	-0.2652				0.17187
4	0.4122	36.6934			-2.2981		5.71001	-259.52	0.42995
4	0.3919	464.879		-58.139	-1.8026		-3.7636		0.41888
4	0.3729	110.67			-6.6267	-1.1522	15.5473	-240.02	
4	0.3301	239.956		-15.57	-6.0248	-1.092	6.39264		
4	0.3171	485.359		-52.974	-5.8373	-0.4126		-85.42	
4	0.3153	695.413		-89.333	-6.2736		6.2268	-338.1	
4	0.195	361.259		-42.56		-0.8135	9.9593	-196.76	
5	0.5848	26.5756	0.3024			-1.022	18.2256	-269.87	0.27392
5	0.5658	43.0017	0.43337		-2.1487	-0.9242	17.6037	-288.74	

5	0.5592	59.6209			-2.7442	-1.2508	19.1667	-259.69	0.45847
5	0.5521	4.9829	0.49928	2.94509		-0.8641	16.8058	-273.24	
5	0.5464	310.373		-40.285		-1.0557	17.8246	-279.24	0.5417
5	0.5335	71.1064	0.22915		-1.2973	-1.0919	9.05257		0.27107
5	0.5299	-39.843	0.27779	14.3883		-1.1019	9.51583		0.27019
5	0.5141	376.571	0.32979	-54.028			9.23357	-333.26	0.22156
5	0.5078	152.723		-9.8333	-2.1975	-1.2112	9.52698		0.44762
5	0.507	-110.14	0.42898	26.5135	-1.5455	-1.0338	8.74665		
5	0.502	320.618	0.44042	-43.723	-1.706		9.28439	-337.83	
5	0.4954	14.2156	0.39123		-0.9111		8.0941	-290.57	0.13394
5	0.4878	195.814	0.24418	-18.127	-1.1829	-0.4512			0.22227
5	0.4861	224.32	0.27565	-24.605		-0.3123		-45.303	0.23005
5	0.4858	67.78	0.27893		-1.0915	-0.4004		-20.062	0.19191
5	0.4812	650.796		-90.122	-2.5706		8.67222	-357.55	0.43152
5	0.4792	359.226	0.26855	-45.198	-1.2109			-132.78	0.20032
5	0.4712	170.907	0.39839	-15.108	-1.558	-0.2746		-57.145	
5	0.465	428.042		-50.571	-2.2343	-0.3962		-54.79	0.404
5	0.436	228.94	0.31272	-26.294	-0.6182		-2.5582		0.18209
5	0.3881	424.363		-46.592	-6.6721	-0.9668	15.104	-290.82	
6	0.5938	41.149	0.26335		-1.7456	-1.0685	18.8105	-280.57	0.25506
6	0.5863	130.657	0.28513	-15.359		-0.9716	18.0639	-284.42	0.28889
6	0.5718	345.079		-42.347	-2.8119	-1.0817	18.7392	-305.73	0.45536
6	0.5659	74.8953	0.43027	-4.6653	-2.1853	-0.9073	17.5446	-293.48	
6	0.5344	-11.088	0.2456	11.8518	-1.2401	-1.1279	9.55862		0.25967
6	0.5201	423.671	0.29399	-59.269	-1.4351		9.44962	-347.32	0.20855
6	0.4909	262.985	0.24244	-28.631	-1.2832	-0.3197		-51.637	0.21864
7	0.5965	184.34	0.23677	-20.965	-1.8799	-1.0032	18.6348	-301.26	0.27405

MULTIVARIATE  
 PORE WATER  
 LOG Mosquitofish THg vs Y  
 POOLED STATIONS

LAG 0

Number	RSquare	Intercept	LFEF_0	LPH_0	LSULF_0	LDOC_0	LTKNF_0	LTPF_0	LSO4F_0
In Model									
1	0.4229	94.6024	-20.795						
1	0.334	-11.727						-14.78	
1	0.2504	188.315				-34.985			
1	0.056	66.7822					-17.217		
1	0.0468	24.9603			8.22375				
1	0.0189	51.056							-3.5379
1	0.009	-244.28		146.303					
2	0.6216	45.7748	-17.581					-11.688	
2	0.6058	218.682	-19.195			-30.11			
2	0.5341	80.2718	-29.125						10.89
2	0.4981	127.963	-21.296				-19.981		
2	0.4757	-129.15					45.6577	-27.624	
2	0.4547	-439.72	-21.519	276.77					
2	0.4521	117.723	-24.412		-7.7917				
2	0.418	-34.11			11.1027			-15.701	
2	0.3947	-399.31				70.6673		-39.848	
2	0.3758	279.306				-74.61	48.6134		
2	0.3597	187.562			12.8637	-40.03			
2	0.357	1.05187						-14.876	-3.908
2	0.334	-8.0303		-1.9172				-14.785	
2	0.2874	211.192				-36.436			-4.9765
2	0.2504	181.249		3.5807		-34.955			
2	0.1502	57.4243			12.2921		-24.647		
2	0.1097	97.8142					-23.309		-6.3404
2	0.0656	-729.29		409.676					-7.5406
2	0.0654	-389.51		213.066	9.17059				
2	0.0604	-133.44		102.841			-16.616		
2	0.0469	23.6878			8.47011				0.25229
3	0.6822	40.7017	-24.243					-10.315	8.21484
3	0.6645	191.507	-25.621			-26.109			8.12345
3	0.6532	-22.855	-15.055				23.472	-18.736	
3	0.6405	265.832	-17.339			-52.392	26.7588		
3	0.6299	-229.62	-18.092	143.706				-11.2	
3	0.6231	52.5848	-18.526		-1.8455			-11.369	
3	0.6226	-7.6867	-17.139			9.48372		-15.13	
3	0.6146	-72.876	-19.655	148.106		-28.744			
3	0.6067	219.873	-19.894		-1.4232	-29.374			
3	0.5589	103.873	-27.786				-12.435		8.73145
3	0.5365	272.836	-29.912	-100.68					12.2636
3	0.5342	81.8923	-29.218		-0.4727				10.7245
3	0.5198	-318.06	-21.866	229.93			-18.711		
3	0.5048	136.159	-23.092		-3.9869		-17.805		
3	0.5025	-122.71			6.73857		37.8721	-25.993	



3	0.4806	-243.59				23.1225	40.8423	-34.472	
3	0.4791	-146.39					50.109	-28.833	1.76942
3	0.4768	-359.65	-24.608	245.788	-6.8283				
3	0.4757	-106.96		-11.531			45.6723	-27.66	
3	0.4392	-277.84			8.76285	45.2997		-31.577	
3	0.4367	261.588			9.94595	-71.048	39.4585		
3	0.4209	-43.878			12.9358			-15.808	1.8573
3	0.4202	-176.74		73.6717	11.3972			-15.521	
3	0.3999	-351.72				63.1656		-37.236	-1.9703
3	0.3953	-473.81		36.7276		71.3393		-39.985	
3	0.3766	279.228				-73.154	46.5286		-0.8321
3	0.3762	343.632		-32.421		-75.034	48.7972		
3	0.3689	-397.76		210.316				-14.343	-5.9496
3	0.3623	27.7541		80.9681	13.1577	-39.462			
3	0.3608	182.278			13.9847	-40.138			1.13516
3	0.3066	-302.65		266.293		-34.932			-7.5189
3	0.1707	-794.11		470.237			-25.191		-11.161
3	0.163	-289.58		177.963	12.9798		-24.022		
3	0.1529	67.7017			10.6206		-25.405		-1.8399
3	0.0756	-616.81		341.5	5.37905				-4.4675
4	0.7719	-88.104	-23.1				43.141	-22.546	12.5312
4	0.7564	260.474	-25.712			-63.33	47.2125		12.3749
4	0.6892	367.634	-25.488	-171.33				-10.514	10.5006
4	0.6891	23.3648	-23.115		4.46009			-10.848	9.63837
4	0.6857	-65.023	-23.557			18.7295		-17.074	8.44644
4	0.6724	182.454	-24.44		4.81736	-27.861			9.62491
4	0.6703	492.071	-26.787	-156.23		-26.522			10.2112
4	0.6587	-247.65	-15.575	118.703			22.5541	-18.057	
4	0.6581	-15.028	-16.625		-3.4088		25.0971	-18.634	
4	0.655	53.2456	-15.48			-14.77	25.9212	-14.11	
4	0.6457	36.342	-17.782	115.49		-50.317	25.5453		
4	0.643	269.307	-18.489		-2.4525	-51.797	27.5668		
4	0.631	-292.04	-17.61	145.497		10.4639		-14.992	
4	0.6309	-216.51	-18.854	139.785	-1.516			-10.951	
4	0.6246	-15.494	-18.138		-2.2108	12.3159		-15.776	
4	0.6151	-66.89	-20.192	145.536	-1.1084	-28.194			
4	0.5593	100.632	-27.531		1.12363		-12.757		9.06912
4	0.5593	182.3	-28.142	-41.307			-12.13		9.34787
4	0.54	-188.49			12.6346		49.5052	-29.575	7.3321
4	0.5366	277.302	-29.883	-103.48	0.26042				12.393
4	0.5244	-290.63	-23.33	219.298	-3.307		-16.964		
4	0.5034	-172.45			6.41994	9.98787	36.1602	-29.028	
4	0.503	-191.83		35.9955	6.91062		37.6275	-25.839	
4	0.485	-274.88				25.4676	45.4397	-36.548	2.02164
4	0.4837	123.784		-150.89			55.5312	-30.725	3.84849
4	0.4806	-247.78		2.04313		23.1759	40.8286	-34.482	
4	0.4631	252.766			15.2168	-79.88	49.9475		6.12263
4	0.4445	-306.19			11.0998	48.1092		-32.705	2.51483
4	0.442	-442.21		83.0723	9.06094	45.9566		-31.604	
4	0.4372	193.704		34.0809	10.0941	-70.55	39.1289		
4	0.4211	-102.32		31.3951	12.6228			-15.706	1.41304
4	0.4066	-635.85		159.778		59.7894		-35.636	-3.6249

4	0.3766	285.627		-3.2227		-73.269	46.6514		-0.7904
4	0.3623	27.8708		80.9039	13.1596	-39.463			0.00216
4	0.1886	-645.38		380.993	7.24478		-26.263		-7.1761
5	0.84	1012.05	-26.976	-608.96			63.8549	-29.128	22.7279
5	0.8263	1496.61	-30.417	-624.37		-83.829	71.1221		22.8716
5	0.7794	-106.51	-21.924		4.63333		43.2742	-23.139	14.0233
5	0.7755	16.2802	-23.752			-20.363	46.6777	-16.201	12.6332
5	0.769	250.959	-24.219		6.09778	-66.596	48.5428		14.3953
5	0.7022	485.892	-24.403	-246.44	6.44437			-11.373	13.5594
5	0.6933	266.706	-24.799	-178.05		20.1494		-17.793	10.8394
5	0.6912	-59.169	-22.672		4.05381	14.9009		-16.177	9.69295
5	0.6843	629.317	-25.72	-234.14	6.72518	-29.173			13.3483
5	0.6627	-222.18	-16.956	108.996	-3.0898		24.1022	-18.02	
5	0.6601	-172.54	-15.926	114.091		-12.883	24.726	-14.049	
5	0.6592	44.3625	-16.853		-3.177	-11.63	26.9151	-14.999	
5	0.6477	51.385	-18.777	109.467	-2.1694	-49.898	26.3233		
5	0.6325	-289.96	-18.452	141.007	-1.8946	12.8607		-15.549	
5	0.576	621.598		-460.79	17.129		65.8491	-35.618	15.6601
5	0.56	205.301	-27.929	-55.669	1.4794		-12.448		10.0068
5	0.5403	-219.02			12.4047	6.20262	48.379	-31.441	7.29232
5	0.504	-252.82		40.0433	6.58902	10.6873	35.7682	-29.069	
5	0.489	-16.984		-139.99		24.0342	50.7333	-37.869	3.93642
5	0.4881	1018.38		-389.46	19.5788	-95.716	65.7635		13.156
5	0.4445	-332.34		14.386	10.9608	47.9938		-32.618	2.30968
6	0.883	1960.96	-28.815	-870.04	14.1121	-99.452	83.6086		31.6773
6	0.8767	1275.78	-25.265	-779.17	11.0139		69.9612	-32.376	29.1249
6	0.8507	1268.89	-28.383	-649.14		-35.945	71.4645	-18.361	23.5807
6	0.7851	26.151	-22.583		5.37305	-26.453	47.8899	-14.99	14.3942
6	0.7044	403.32	-23.959	-246.69	6.03759	14.9946		-16.735	13.6184
6	0.6636	-164.56	-17.146	105.968	-2.8964	-10.155	25.7172	-14.863	
6	0.5763	668.795		-469.59	17.4537	-6.447	67.3317	-33.794	15.8604
7	0.9016	1738.58	-27.109	-879.77	13.4231	-56.695	83.2994	-16.103	31.8694

LAG 1

Number	RSquare	Intercept	LFEF_1	LPH_1	LSULF_1	LDOC_1	LTKNF_1	LTPF_1	LSO4F_1
In Model									
1	0.3999	252.372				-50.621			
1	0.2903	-13.672						-14.872	
1	0.1577	5.59872	11.3588						
1	0.1367	84.047					-28.295		
1	0.1361	1255.23		-625.7					
1	0.0644	58.9159			-9.8493				
1	0.0245	31.5143							3.97984
2	0.4766	333.779				-83.522	37.935		
2	0.4432	208.55	6.27421			-45.077			
2	0.4192	252.289			-5.489	-48.522			
2	0.4036	473.165		-120.04		-47.792			
2	0.4023	294.861				-58.182		2.93718	
2	0.3999	252.301				-50.613			0.01128
2	0.3807	-36.772	8.75995					-13.274	
2	0.3182	-0.4191			-6.5773			-14.099	
2	0.2954	-35.237					8.62101	-17.269	
2	0.2948	263.214		-140.33				-13.539	
2	0.2926	-16.389						-14.596	1.25252
2	0.2295	930.216	9.1097	-473.57					
2	0.212	6.78767	19.3705						-9.2607
2	0.2115	42.7585	8.51532				-19.316		
2	0.189	909.788		-432.8			-19.632		
2	0.1656	90.0797			-6.8049			-25.08	
2	0.1578	4.50324	11.525		0.34581				
2	0.1568	1105.62		-543.7	-5.8817				
2	0.1563	1225.96		-616.22					3.61674
2	0.1368	82.3738					-27.876		0.35564
2	0.0646	60.834			-10.268				-0.4191
3	0.5585	293.213	8.90804			-84.401	48.0247		
3	0.5106	342.238			-7.3755	-84.165	41.9289		
3	0.4992	210.367	14.3958			-45.212			-9.4054
3	0.487	327.036				-85.761	43.0758		2.85563
3	0.4827	617.349		-153.41		-80.469	38.5848		
3	0.4767	343.493				-85.145	37.7174	0.70382	
3	0.4576	-37.643	18.2018					-13.992	-11.076
3	0.4441	319.826	6.13499	-59.97		-43.786			
3	0.4433	210.011	6.06409		-0.4324	-45.097			
3	0.4433	213.806	6.23788			-45.999		0.34582	
3	0.4324	276.593			-9.2506	-50.126			-3.9138
3	0.4241	-111.91	11.3835				27.2697	-20.377	
3	0.4216	294.92			-5.4913	-56.107		2.94698	
3	0.4199	346.664		-51.308	-5.2138	-47.417			
3	0.4093	644.814		-175.42		-58.906		4.82487	
3	0.4037	474.472		-121.34		-47.626			0.174
3	0.4023	295.126				-58.217		2.94015	-0.0356
3	0.3818	-42.361	9.57193		1.71085			-13.327	
3	0.3807	-25.625	8.74309	-5.6272				-13.224	

3	0.3289	-30.482			-7.3146		12.6117	-17.519	
3	0.3242	10.3816			-9.1225			-14.376	-2.6148
3	0.3187	91.6334		-46.905	-6.3317			-13.682	
3	0.302	-50.12					12.595	-17.872	2.27789
3	0.2998	238.282		-138.5			8.52244	-15.926	
3	0.2978	282.825		-151.85				-13.112	1.44027
3	0.2849	50.7691	17.4367				-22.753		-10.897
3	0.2559	761.951	15.3562	-386.95					-6.7448
3	0.2495	756.097	7.72175	-371.87			-12.71		
3	0.2329	958.352	10.4604	-492.85	3.00059				
3	0.2169	18.8683	18.354		-3.7762				-10.184
3	0.2115	42.5997	8.53912		0.04892		-19.314		
3	0.2029	806.736		-376.53	-4.8606		-18.462		
3	0.1916	933.358		-448.66			-17.639		1.42226
3	0.1802	113.622			-10.681		-28.287		-4.2737
3	0.1605	1146.99		-570.2	-3.5845				2.10815
4	0.5834	284.464	14.1841			-79.85	42.3527		-6.4703
4	0.5624	236.708	9.41867			-75.399	49.8169	-3.9254	
4	0.56	434.699	8.73846	-76.128		-82.869	48.155		
4	0.5586	294.466	8.72674		-0.3727	-84.415	48.0212		
4	0.5116	459.402		-63.596	-7.0383	-82.87	42.0156		
4	0.511	344.475			-7.9697	-83.7	41.0649		-0.6587
4	0.5107	348.808			-7.369	-85.263	41.7781	0.47653	
4	0.5068	226.511	13.1012		-4.7119	-45.45			-10.558
4	0.5016	16.7091	15.2309	104.44		-47.47			-10.092
4	0.5007	173.211	14.9093			-38.687		-2.4483	-9.7022
4	0.4955	663.23		-182.31		-82.395	44.4515		3.19095
4	0.4882	-101.1	19.6647				23.0586	-19.941	-10.19
4	0.487	329.158				-86.108	43.0172	0.15266	2.84933
4	0.4844	709.646		-183.43		-86.023	37.887	2.66767	
4	0.4728	-610.98	20.975	289.331				-16.727	-13.313
4	0.4607	-27.888	17.397		-3.0038			-13.947	-11.805
4	0.4445	369.763	5.9622	-76.379		-46.853		1.28227	
4	0.4441	318.673	6.09243	-59.183	-0.0913	-43.807			
4	0.4433	217.111	5.98394		-0.4996	-46.306		0.45221	
4	0.4354	324.71			-9.3401	-58.624		3.28739	-4.0042
4	0.4327	207.041		38.6086	-9.6843	-51.053			-4.1496
4	0.4272	-123.56	12.8341		2.89486		28.0667	-20.674	
4	0.4245	-198.7	11.5415	43.4092			27.5594	-20.841	
4	0.4238	496.571		-101.08	-4.95	-56.728		4.03378	
4	0.4094	646.08		-176.69		-58.741		4.82429	0.17124
4	0.3819	-3.6914	9.55484	-19.666	1.79902			-13.153	
4	0.3308	-19.155			-8.7467		10.6171	-17.147	-1.5912
4	0.3291	33.228		-32.318	-7.1384		12.4926	-17.199	
4	0.3242	-26.837		19.2025	-9.333			-14.559	-2.7278
4	0.3076	259.552		-157.52			12.8604	-16.402	2.49426
4	0.2949	444.803	15.6543	-206.04			-18.575		-9.2569
4	0.2932	67.6853	16.0595		-4.9287		-23.347		-12.145
4	0.2559	755.652	15.2971	-383.12	-0.3669				-6.8594
4	0.2514	782.823	8.78145	-389.62	2.2554		-12.303		
4	0.2048	741.221		-337.16	-6.6143		-20.437		-1.7097
5	0.5909	204.958	15.322			-66.929	44.3943	-5.4742	-6.9925

5	0.5872	294.571	13.2653		-3.3589	-79.364	41.552		-7.3474
5	0.5837	218.259	14.4689	35.4381		-80.385	42.0708		-6.7228
5	0.5627	300.953	9.29687	-31.492		-75.676	49.6895	-3.5283	
5	0.5625	235.263	9.53207		0.22002	-75.279	49.8413	-3.9743	
5	0.56	435.582	8.77099	-76.729	0.06962	-82.854	48.1567		
5	0.5145	-132.4	14.1699	196.963	-6.5542	-49.801			-12.303
5	0.512	508.4		-80.107	-6.9326	-85.64	41.6116	1.34765	
5	0.5117	449.833		-57.929	-7.3001	-82.804	41.6709		-0.2569
5	0.5111	352.747			-7.993	-85.039	40.8321	0.59142	-0.6934
5	0.5076	198.8	13.5289		-4.5153	-40.692		-1.7815	-10.726
5	0.507	-224.22	17.028	191.367		-35.344		-5.2547	-11.3
5	0.5062	-731.15	22.7682	316.392			24.177	-23.22	-12.592
5	0.4968	742.903		-208.01		-87.202	43.7544	2.32301	3.14231
5	0.489	-94.344	19.2052		-1.573		22.4584	-19.762	-10.595
5	0.4845	-787.96	20.2512	388.907	-6.2637			-17.573	-15.601
5	0.4445	368.274	5.86836	-75.02	-0.1943	-46.957		1.30699	
5	0.4354	338.046		-6.8335	-9.2652	-58.641		3.35748	-3.9644
5	0.4274	-168.55	12.8683	22.6976	2.79835		28.1916	-20.907	
5	0.3308	-28.315		4.75476	-8.7996		10.5972	-17.187	-1.6211
5	0.2982	363.356	15.1357	-157.42	-3.361		-19.966		-10.495
6	0.5954	-130.95	17.1074	161.601		-63.844	43.982	-7.816	-8.3669
6	0.5934	219.895	14.4767		-2.7399	-67.621	43.5693	-5.0134	-7.664
6	0.5891	112.701	13.7979	98.8952	-4.317	-80.72	40.5369		-8.3019
6	0.5627	303.644	9.47106	-33.958	0.35646	-75.502	49.7191	-3.5765	
6	0.521	-404.67	16.1027	296.949	-6.8502	-36.541		-5.7915	-13.734
6	0.5131	-860.24	22.0906	391.683	-4.8476		22.5935	-23.45	-14.41
6	0.5121	499.697		-75.124	-7.1538	-85.546	41.3278	1.32918	-0.2156
7	0.6016	-256.19	16.4795	233.988	-4.6272	-63.63	42.4041	-8.0867	-10.117

LAG 2

Number In Model	RSquare	Intercept	LFEF_2	LPH_2	LSULF_2	LDOC_2	LTKNF_2	LTPF_2	LSO4F_2
1	0.2197	-46.8974	32.3129						
1	0.1541	283.326				-58.5998			
1	0.1161	-28.1175						-18.0859	
1	0.022	78.6824			-21.5401				
1	0.0126	885.743		-437.411					
1	0.0023	50.4259					-7.3121		
1	0.001	33.8559							2.18911
2	0.3968	537.172				-166.871	133.76		
2	0.2796	131.866	26.0485			-38.9597			
2	0.2779	-85.819	28.4581					-13.1356	
2	0.2537	-0.84721	33.2825		-26.8781				
2	0.2246	-66.3534	33.5416				11.0141		
2	0.2244	473.149	31.8681	-268.251					
2	0.2205	-52.2242	32.3021						2.00772
2	0.208	-195.179					68.6908	-35.7571	
2	0.1974	1927.02		-834.005		-65.9461			
2	0.1858	338.529			-25.938	-60.5857			
2	0.1625	319.266				-62.9019			-6.76826
2	0.1542	272.657				-56.7317		-0.77384	
2	0.1497	1375.12		-729.292				-20.0514	
2	0.1336	-13.2599						-21.5098	-10.3825
2	0.1297	4.88245			-17.0176			-17.4995	
2	0.0503	1434.72		-693.342	-29.8071				
2	0.0276	99.3637			-23.5044		-11.6702		
2	0.0221	76.0242			-21.3147				0.8436
2	0.0179	1021.13		-498.746			-11.4125		
2	0.0176	1053.13		-531.238					5.2843
2	0.0025	46.2197					-6.44562		1.10016
3	0.4971	388.551	23.3615			-143.804	127.023		
3	0.4331	2038.3		-763.476		-172.079	131.886		
3	0.4037	-289.015	31.5359				80.982	-33.4334	
3	0.403	553.576			-11.6941	-164.147	129.289		
3	0.4002	456.935				-153.594	135.381	-6.04331	
3	0.3971	532.675				-166.878	134.696		1.1815
3	0.3185	188.609	26.827		-28.7882	-40.5769			
3	0.3028	-43.2173	29.5847		-23.1471			-12.1421	
3	0.3001	1295.78	24.0036	-584.535		-45.6505			
3	0.2938	893.816	27.1477	-507.755				-14.732	
3	0.2859	-74.3082	27.7761					-15.5882	-7.0776
3	0.2834	38.5428	26.7463			-22.8023		-6.47511	
3	0.2823	155.087	25.6184			-41.7643			-3.90208
3	0.2715	1077.57	32.6025	-550.563	-33.3336				
3	0.2686	2796.23		-1230.25	-41.4799	-72.6123			
3	0.2554	-13.8991	33.9661		-25.9032		6.44316		
3	0.2538	-1.81545	33.2778		-26.7943				0.31083
3	0.232	1003.26		-618.555			65.2883	-36.5489	
3	0.2281	-84.9089	33.9365				14.769		4.49369
3	0.2275	353.174	32.9534	-214.501			8.92918		

3	0.2273	601.385	31.728	-339.859					3.99109
3	0.2206	-178.419					67.0005	-38.2374	-8.83983
3	0.2081	-192.317			-0.86037		68.1997	-35.6011	
3	0.2005	393.032			-28.809	-66.5981			-9.11321
3	0.1987	1861.14		-793.084		-67.3536			-2.78139
3	0.1975	1916.1		-834.038		-64.0236		-0.79647	
3	0.1883	418.614			-28.3116	-73.9064		5.44268	
3	0.1829	1881.72		-964.421	-27.9424			-19.7223	
3	0.1644	258.124				-51.8108		-4.93847	-8.07521
3	0.1572	1202.49		-634.334				-22.1178	-7.04202
3	0.1505	25.2541			-19.1101			-21.1869	-11.4002
3	0.0669	1781.33		-851.681	-35.203		-20.8413		
3	0.0546	1582.93		-776.941	-29.5074				4.85319
3	0.028	106.524			-24.1354		-12.9916		-1.52932
3	0.0204	1114.51		-554.464			-8.76888		3.93817
4	0.5148	1468.73	21.4776	-543.281		-149.37	126.233		
4	0.5082	234.73	24.4957			-118.425	129.658	-11.0421	
4	0.5074	406.382	23.8966		-15.1372	-139.75	121.082		
4	0.4993	372.963	23.6943			-143.496	129.732		3.53945
4	0.4582	2560		-1010.75	-25.3097	-167.872	121.604		
4	0.4379	2171.96		-842.089		-172.648	136.048		5.49453
4	0.4364	1957.56		-762.86		-158.914	133.495	-5.99059	
4	0.411	385.202	30.5548	-346.478			78.6938	-33.9492	
4	0.4074	-278.296	31.0256				79.8554	-34.8325	-4.85227
4	0.4047	-272.569	31.6747		-5.06689		78.1443	-32.5047	
4	0.4041	501.948			-9.89613	-156.44	130.969	-3.69863	
4	0.403	554.009			-11.7355	-164.137	129.195		-0.09838
4	0.4002	455.709				-153.102	135.081	-6.26579	-0.45404
4	0.369	2157.93	23.7335	-977.128	-40.8037	-52.4363			
4	0.3358	1449.46	28.015	-765.708	-31.4956			-14.1911	
4	0.3256	230.136	26.1805		-30.7167	-45.2416			-6.33942
4	0.3185	185.663	26.8456		-28.706	-40.0903		-0.19317	
4	0.3136	-27.282	28.8557		-24.5112			-14.9439	-8.25438
4	0.3034	1195.09	24.6792	-577.759		-30.4758		-6.05017	
4	0.3004	1268.39	23.9279	-567.07		-46.3422			-1.24052
4	0.2973	780.427	26.843	-444.9				-16.2136	-4.84569
4	0.2898	30.1836	26.3895			-19.367		-9.68946	-6.3801
4	0.2759	3020.54		-1273.94	-46.0929	-95.8313		9.31247	
4	0.2737	1185.14	32.4755	-611.012	-33.1052				3.47694
4	0.2717	2707.64		-1173.03	-42.1114	-74.8892			-4.29906
4	0.2715	1082.04	32.5735	-552.588	-33.3952		-0.24988		
4	0.2559	-22.6525	34.1097		-25.1842		8.04677		1.76725
4	0.2375	858.726		-538.021			64.5722	-38.1468	-6.06243
4	0.2366	1252.2		-727.317	-11.4835		58.136	-34.6063	
4	0.2331	487.98	33.252	-295.967			13.101		5.94014
4	0.221	-167.169			-3.25717		65.1	-37.7079	-9.05704
4	0.2006	407.217			-29.1949	-69.0417		1.06598	-8.86251
4	0.1993	1807.62		-782.206		-61.4206		-2.61456	-3.52801
4	0.1909	1706.96		-867.902	-28.1914			-21.8653	-7.31322
4	0.0674	1813.8		-872.337	-34.7527		-19.5265		1.77899
5	0.5402	1992.44	21.5163	-791.607	-25.4578	-145.097	115.88		
5	0.5251	1295.46	22.6127	-530.551		-124.828	128.786	-10.6212	

5	0.5218	1621.2	21.7815	-634.585		-149.732	131.152		6.59933
5	0.5131	284.286	24.621		-11.145	-121.451	124.66	-8.4271	
5	0.5083	236.674	24.5335			-119.287	130.209	-10.6348	0.847
5	0.5081	396.541	24.0569		-14.3141	-139.796	122.947		2.01442
5	0.4606	2634.74		-1057.15	-24.2761	-168.453	125.015		3.94844
5	0.4582	2560.67		-1010.9	-25.3247	-167.928	121.591	0.02672	
5	0.4391	2094.19		-826.26		-164.136	136.258	-3.82256	4.41567
5	0.4157	636.11	30.5615	-456.102	-11.5808		71.4838	-31.9896	
5	0.4127	309.469	30.3209	-303.728			78.1925	-34.8587	-3.37492
5	0.4091	-256.65	31.1575		-6.39058		76.1812	-33.7791	-5.26147
5	0.4043	500.181			-10.1019	-155.416	130.215	-4.14035	-1.00096
5	0.3703	2105.85	23.5632	-942.354	-41.2124	-54.0372			-2.74929
5	0.37	2255.2	23.322	-998.308	-42.5883	-61.7099		3.57908	
5	0.3396	1332.94	27.6992	-700.903	-31.6286			-15.742	-5.0799
5	0.3265	179.902	26.4471		-29.4147	-36.6567		-3.65018	-7.16962
5	0.3051	1090.16	24.6673	-527.583		-27.9659		-7.81197	-3.42372
5	0.2765	2949.88		-1240.67	-45.8377	-94.1065		8.17486	-2.09893
5	0.2739	1148.74	32.7809	-595.954	-32.3968		2.7628		3.89897
5	0.2425	1113.37		-648.622	-11.999		57.0717	-36.1775	-6.29164
6	0.5443	2082.14	21.7473	-848.714	-24.1347	-145.597	120.19		5.06051
6	0.5423	1849.18	22.0617	-757.304	-22.5733	-133.694	118.29	-5.14479	
6	0.5275	1427.17	22.5849	-591.574		-129.873	131.439	-8.5385	4.23021
6	0.5132	284.636	24.6317		-11.0938	-121.693	124.846	-8.31812	0.25158
6	0.461	2702.1		-1076.44	-25.397	-173.294	124.382	2.26074	4.51511
6	0.4176	561.649	30.312	-413.256	-11.8752		70.7654	-32.9106	-3.60255
6	0.3707	2184.16	23.3228	-964.856	-42.3317	-59.9752		2.43547	-2.10963
7	0.5449	1985.58	22.0316	-820.404	-22.6462	-138.878	120.967	-2.99854	4.32343



LAG 3

Number In Model	RSquare	Intercept	LFEF_3	LPH_3	LSULF_3	LDOC_3	LTKNF_3	LTPF_3	LSO4F_3
1	0.4585	209.496				-42.6767			
1	0.4001	-16.7781						-12.7776	
1	0.2156	70.2518					-26.7086		
1	0.0666	668.082		-330.085					
1	0.0407	17.2073							4.23654
1	0.018	21.3959	2.86224						
1	0.0128	35.7407			-3.55458				
2	0.5128	274.312				-67.5316	26.3499		
2	0.4639	160.955				-33.9067		-3.18392	
2	0.4632	210.87			2.23092	-43.864			
2	0.4606	215.905	-1.02116			-43.4728			
2	0.4601	104.586		56.9198		-43.8951			
2	0.4585	209.769				-42.7129			-0.04019
2	0.4103	-22.842	2.15523					-12.6698	
2	0.4084	-287.74		137.977				-13.9336	
2	0.402	-18.7955						-12.5477	0.94867
2	0.4012	-24.3033					3.01618	-13.5911	
2	0.4006	-18.2679			0.70142			-12.8737	
2	0.2209	78.415	-1.71982				-28.7042		
2	0.2207	262.759		-101.052				-24.8231	
2	0.2168	69.3781			1.1669			-27.3848	
2	0.2156	69.7701						-26.5909	0.10094
2	0.1027	634.566		-318.979					3.99754
2	0.0836	655.039	2.78251	-327.652					
2	0.0689	638.73		-313.59	-1.56216				
2	0.043	10.4589			2.18677				5.29853
2	0.0416	17.9483	-1.01217						4.99722
2	0.0187	25.0075	2.29763		-1.18307				
3	0.5198	269.499				-69.0373	29.8211		1.96201
3	0.5195	221.327				-58.1146	26.6624	-3.52585	
3	0.5158	272.874	1.34381			-69.1664	29.1936		
3	0.5135	273.488			0.8996	-67.4817	25.7893		
3	0.5132	223.006		27.5752		-67.937	26.1538		
3	0.4689	-51.9696		106.276		-33.102		-4.302	
3	0.4682	164.252			2.12351	-35.3962		-3.05346	
3	0.4674	198.463			4.31866	-43.1612			2.01227
3	0.4643	168.893	-0.43955			-35.1852		-2.84417	
3	0.464	133.475		41.9381	2.07169	-44.677			
3	0.4639	160.893				-33.8982		-3.18438	0.008
3	0.4632	210.774	0.0171		2.24801	-43.8598			
3	0.4629	212.514	-2.21659			-42.9617			1.60075
3	0.4627	96.2169	-1.13836	65.3366		-44.9627			
3	0.4601	103.95		57.7396		-44.0287			-0.12867
3	0.4277	-43.5348	4.98055		5.99977			-13.3506	
3	0.4246	-62.2844	4.12518				13.5874	-16.236	
3	0.4183	-289.039	2.12474	135.594				-13.8073	
3	0.4133	-22.885	3.5974					-13.0551	-1.88785
3	0.4096	-278.417		132.424				-13.7067	0.7442

3	0.4095	-293.666		137.306			2.90373	-14.7112	
3	0.4085	-285.059		136.407	0.18937			-13.9464	
3	0.4076	-29.5831			3.42977			-12.6186	2.59577
3	0.4049	-32.831					5.22225	-13.8416	1.42184
3	0.4014	-24.4999			0.46616		2.69816	-13.5692	
3	0.2272	74.898	-3.6176				-27.8452		2.6246
3	0.2243	237.052	-1.43791	-83.9755			-26.8102		
3	0.2229	280.225		-110.831	1.5531		-25.5406		
3	0.2212	80.6596	-2.07431		-0.75071		-28.6805		
3	0.221	267.874		-104.68			-24.3166		0.37622
3	0.2184	62.4233			2.40529		-26.6293		1.26308
3	0.1216	732.591		-380.204	6.63405				7.17346
3	0.1033	633.343	-0.75489	-318.061					4.56555
3	0.0881	707.06	4.27353	-359.508	3.14052				
3	0.0432	11.631	-0.54492		1.93625				5.58639
4	0.5337	257.975			5.42735	-70.7842	31.1619		4.6314
4	0.5302	184.337	2.822			-55.5104	32.8344	-5.78626	
4	0.5271	213.817				-59.2473	30.3044	-3.69086	2.05031
4	0.5235	267.181	3.29549		3.93092	-71.3222	30.8741		
4	0.5221	65.484		77.245		-57.0959	26.1846	-4.33239	
4	0.52	221.424			0.75695	-58.2131	26.186	-3.47323	
4	0.5198	248.605		11.2635		-69.1831	29.6955		1.93632
4	0.5198	269.399	-0.16845			-68.9201	29.6669		2.07636
4	0.5159	245.459	1.3016	14.7587		-69.332	28.9993		
4	0.5138	232.313		22.1686	0.82104	-67.8119	25.6806		
4	0.4724	152.088			4.20182	-34.7303		-3.04133	2.00277
4	0.4716	-17.694		90.5207	1.74552	-34.4456		-4.02901	
4	0.4699	140.341	1.44506		3.53159	-32.1808		-4.0839	
4	0.4691	-43.5157	-0.3947	105.614		-34.255		-3.98996	
4	0.4689	-52.7114		107.18		-33.2428		-4.30348	-0.13931
4	0.4688	201.696	-1.32881		3.712	-43.2473			2.70767
4	0.4675	172.109		14.6014	4.16351	-43.4778			1.91616
4	0.465	95.3681	-2.30951	63.9827		-44.4301			1.57149
4	0.4649	176.199	-1.22881			-36.5222		-2.28629	0.90409
4	0.4641	127.121	-0.28773	46.264	1.76768	-44.8321			
4	0.458	-114.034	9.34186		8.81324		20.9432	-19.1668	
4	0.4321	-317.36	4.05392	130.357			13.298	-17.2537	
4	0.431	-67.6118	6.53182				15.4006	-17.2847	-2.80624
4	0.4309	-215.724	4.62537	88.9595	5.28798			-14.0161	
4	0.4277	-43.078	5.13207		5.86547			-13.3927	-0.28112
4	0.4231	-320.335	3.96116	151.508				-14.4325	-2.40861
4	0.412	-282.63		128.07			4.7432	-14.8438	1.18068
4	0.4118	-231.68		104.91	2.29076			-13.5132	1.88679
4	0.4108	-44.5905			3.51873		5.47979	-13.9781	3.13499
4	0.4095	-294.812		137.906	-0.07379		2.95358	-14.7195	
4	0.2309	239.023	-3.36232	-86.9162			-25.8684		2.67509
4	0.2282	343.45		-151.31	4.14843		-23.3697		2.50322
4	0.2275	72.0089	-3.40734		0.84828		-27.7859		2.88778
4	0.2243	242.575	-1.29902	-87.327	0.27031		-26.7431		
4	0.1225	742.385	1.03401	-386.532	7.18344				6.65844
5	0.5512	129.76	7.05437		7.03169	-52.5193	37.6662	-8.68761	
5	0.5405	204.95			5.30707	-61.3775	31.5947	-3.53175	4.65674

5	0.5355	257.286	1.52122		6.17798	-72.0839	32.7394		3.9679
5	0.535	358.272		-54.7651	6.03636	-70.2711	31.9227		5.05584
5	0.5327	32.9962	2.8038	75.1318		-54.5363	32.3299	-6.55615	
5	0.5304	187.933	2.42214			-56.1276	32.7581	-5.50213	0.44936
5	0.5287	91.5491		60.8281		-58.3767	29.7083	-4.31602	1.92654
5	0.5241	334.483	3.60631	-36.5559	4.34637	-71.1399	31.5329		
5	0.5223	73.4061		73.3478	0.46474	-57.2078	25.9163	-4.25939	
5	0.5199	246.949	-0.19713	12.0931		-69.0568	29.5059		2.06825
5	0.4739	24.9336		64.5517	3.48907	-34.1945		-3.7396	1.57568
5	0.4727	-19.6012	1.13652	82.1134	2.88806	-32.005		-4.74883	
5	0.4724	149.764	0.17406		4.2765	-34.3735		-3.166	1.91129
5	0.4693	-33.1422	-0.77199	102.186		-34.9218		-3.68711	0.43052
5	0.4691	153.796	-1.44852	26.701	3.37363	-43.8341			2.59456
5	0.4592	-217.332	9.01165	54.3145	8.30553		20.3989	-19.4219	
5	0.4585	-113.458	9.84182		8.4445		21.1766	-19.3571	-0.83748
5	0.4409	-365.069	6.89562	151.511			15.4008	-18.6621	-3.32702
5	0.4315	-235.11	5.08198	99.7533	4.75868			-14.2359	-0.92718
5	0.4145	-233.057		98.47	2.44238		5.03268	-14.7069	2.42553
5	0.2332	292.496	-2.62408	-119.901	2.58749		-24.937		3.49701
6	0.5546	140.764	5.59624		7.9286	-55.222	37.9011	-7.63801	2.24531
6	0.5512	102.365	6.97431	14.0906	6.90433	-52.3908	37.4841	-8.77945	
6	0.5405	221.433		-8.27958	5.40214	-61.5342	31.6989	-3.4438	4.72028
6	0.5378	397.441	2.00083	-76.6473	7.26697	-71.7755	34.3016		4.35273
6	0.5327	35.6483	2.70493	74.2575		-54.7006	32.3169	-6.47679	0.11134
6	0.474	21.0878	0.23813	64.8896	3.5875	-33.7034		-3.91382	1.44829
6	0.4603	-243.852	9.68082	68.7163	7.6128		20.6078	-19.7777	-1.26758
7	0.5547	170.538	5.61083	-15.0397	8.10813	-55.4905	38.1069	-7.48897	2.35443

## LAG 4

Number In Model	RSquare	Intercept	LFEF_4	LPH_4	LSULF_4	LDOC_4	LTKNF_4	LTPF_4	LSO4F_4
1	0.3518	-19.3697							24.0636
1	0.226	-3.54047	19.6029						
1	0.2123	101.337			-30.3972				
1	0.1998	298.655				-59.8273			
1	0.1705	-18.5889						-18.3368	
1	0.1487	118.344					-46.2981		
1	0.0014	204.759		-78.285					
2	0.4398	160				-41.2676			20.6571
2	0.4216	-58.2986						-12.1753	21.0964
2	0.3919	801.259		-428.435					26.2701
2	0.3766	18.2535					-20.7159		21.2109
2	0.3674	-26.1066	6.69844						19.8469
2	0.3658	7.74198			-9.93792				20.2702
2	0.3585	307.328			-26.5775	-51.7529			
2	0.3456	33.0133			-27.7696			-16.309	
2	0.3451	-58.2213	17.4292					-15.5009	
2	0.3364	196.507	15.8132			-46.1409			
2	0.3012	146.044			-26.3103		-36.5549		
2	0.2913	50.9858	16.3112				-32.1263		
2	0.2662	44.2264	12.5698		-17.3606				
2	0.2262	-52.1451	19.6556	25.0909					
2	0.2123	94.492		3.55275	-30.407				
2	0.2031	226.339				-46.9602		-4.98168	
2	0.202	485.143		-96.3162		-59.9492			
2	0.1998	296.863				-59.1475	-0.70979		
2	0.1776	317.613		-174.957				-18.7544	
2	0.1772	26.1646					-17.2649	-13.1018	
2	0.1579	506.651		-199.848			-48.0106		
3	0.4737	908.907		-394.24		-39.8359			22.8057
3	0.4727	255.484				-82.2372	45.4749		23.5373
3	0.4666	810.376		-454.24				-12.607	23.3307
3	0.4556	190.817			-10.5833	-41.7151			16.5804
3	0.4477	148.45	4.7848			-39.7176			17.773
3	0.4408	-27.9667			-11.6854			-12.6592	16.5181
3	0.4404	129.301				-35.7844		-2.14749	20.5863
3	0.439	-65.9337	7.07913					-12.3365	16.6008
3	0.4306	-115.85					21.1469	-18.163	22.5493
3	0.4198	872.644		-444.869			-21.9734		23.3289
3	0.395	735.824		-387.25	-4.93096				24.1758
3	0.395	708.892	3.17653	-381.88					24.0307
3	0.3934	50.1456			-10.9062		-21.8936		16.8858
3	0.3902	10.4594	6.26318				-19.8927		17.3815
3	0.3833	-11.1641	10.5819		-16.9447			-15.3777	
3	0.3809	250.81	8.33039		-18.2839	-47.0626			
3	0.3727	-5.953	4.91088		-6.72839				18.4039
3	0.3638	215.492			-26.7687	-35.3434		-6.33069	
3	0.3617	341.369			-27.1414	-64.4255	13.4093		
3	0.3586	350.892		-22.5108	-26.512	-51.8013			

3	0.3501	43.3359	16.6029			-19.1114		-10.2003	
3	0.3475	-87.6127	18.0892				10.7596	-18.656	
3	0.3474	204.637		-89.5862	-27.4854			-16.5435	
3	0.3461	73.6055	17.2589	-68.4001				-15.6919	
3	0.3456	32.0258			-27.795		0.39916	-16.4281	
3	0.3389	224.135	16.1131			-57.0975	11.7099		
3	0.3365	214.302	15.7916	-9.1183		-46.1712			
3	0.33	97.3348	9.43624		-17.0571		-31.7829		
3	0.3036	347.185		-103.737	-25.909		-37.5924		
3	0.2926	202.437	16.0582	-77.409			-33.0094		
3	0.2665	-23.3895	12.6292	34.954	-17.3951				
3	0.2065	449.434		-122.221		-44.704		-5.91507	
3	0.2034	229.676				-49.5745	3.97303	-5.44287	
3	0.2022	491.97		-104.73		-56.3695	-3.74835		
3	0.1859	403.591		-193.796			-19.2021	-12.977	
4	0.4965	878.176		-335.556		-74.6945	38.4554		24.9215
4	0.4848	277.265			-9.28066	-80.38	42.9778		19.8043
4	0.4801	158.64				-68.6756	52.5788	-7.81803	23.7297
4	0.4784	828.756		-342.649	-6.1308	-40.2824			20.163
4	0.4777	242.457	3.82972			-79.3735	43.6733		21.1148
4	0.477	877.676		-415.595		-26.9343		-5.02254	22.7567
4	0.4749	748.518		-450.812			20.3213	-18.3577	24.7099
4	0.4742	868.995	1.3388	-374.931		-39.4723			21.8935
4	0.472	723.809		-400.102	-6.53533			-12.8262	20.5039
4	0.47	712.94	3.3516	-405.179				-12.6367	20.9609
4	0.4571	180.752	2.32293		-9.05246	-40.8979			15.7699
4	0.4571	144.861			-10.9068	-33.3522		-3.28068	16.3478
4	0.4517	-135.637	7.85446				25.3051	-19.5192	17.8469
4	0.45	84.9603	5.46121			-28.4501		-4.32714	17.2227
4	0.4494	-84.6574			-11.5783		20.7286	-18.524	17.9842
4	0.4475	-41.3549	4.82194		-8.53114			-12.6383	14.6917
4	0.424	797.253		-396.782	-5.80122		-22.4639		20.7993
4	0.4216	799.742	2.45953	-408.504			-21.5474		21.652
4	0.398	37.2485	4.05337		-8.22071		-21.0709		15.4725
4	0.3965	683.273	2.36989	-362.814	-3.69805				23.0287
4	0.391	116.754	9.29542		-17.5885	-23.7356		-8.78979	
4	0.3858	-40.9912	11.2457		-16.9624		10.9371	-18.5847	
4	0.3852	288.961	8.55189		-18.7202	-61.6999	15.6202		
4	0.3841	100.296	10.4626	-57.9213	-16.8831			-15.5399	
4	0.3809	249.66	8.33156	0.59003	-18.2845	-47.0607			
4	0.3711	233.021			-27.7424	-48.9644	21.3423	-8.85716	
4	0.3644	309.739		-51.6017	-26.6303	-34.4509		-6.71779	
4	0.3617	322.485		10.1744	-27.1843	-64.7038	13.7269		
4	0.3592	54.1867	17.4599			-33.5776	24.1694	-13.2752	
4	0.3507	138.227	16.509	-51.4186		-18.3195		-10.5635	
4	0.3481	20.0909	17.9016	-54.6965			9.9222	-18.5632	
4	0.3474	208.123		-90.4592	-27.4359		-0.73325	-16.3269	
4	0.339	185.135	16.1792	20.775		-57.6401	12.3635		
4	0.331	226.901	9.24883	-66.3244	-16.9843		-32.541		
4	0.2065	447.07		-120.48		-45.3738	0.96913	-6.01427	
5	0.5077	811.291		-364.268		-57.2218	46.6694	-9.70067	25.2787
5	0.5005	804.293		-288.553	-5.68477	-74.6134	37.9091		22.441

5	0.4968	848.721	0.99267	-321.503		-74.2682	38.2824		24.2356
5	0.4937	171.694			-9.89971	-65.2689	50.6619	-8.63985	19.7679
5	0.4887	116.208	5.18358			-61.3267	51.9595	-9.82007	20.5001
5	0.4855	269.296	1.61738		-8.2293	-79.381	42.4999		19.2041
5	0.4821	792.267		-363.103	-6.38994	-26.6272		-5.3233	19.9993
5	0.4802	663.26		-397.259	-6.46758		20.1857	-18.5362	21.9032
5	0.4801	619.476	4.19438	-389.022			22.6549	-19.0552	21.9026
5	0.4784	829.709	-0.04161	-343.064	-6.15283	-40.2953			20.1818
5	0.4782	810.872	2.10539	-387.99		-24.6946		-5.67186	21.3158
5	0.4733	675.578	2.17587	-377.649	-5.40101			-12.8074	19.456
5	0.4595	117.836	2.99861		-9.02946	-29.7438		-4.28242	15.2304
5	0.4587	-109.309	5.74732		-7.80221		23.9077	-19.3986	16.0322
5	0.4245	767.056	1.32618	-382.985	-5.10009		-22.1749		20.2009
5	0.4023	130.856	10.0487		-18.0725	-39.9704	26.9117	-12.1748	
5	0.3913	183.045	9.252	-36.0425	-17.5348	-23.1664		-9.04868	
5	0.3862	44.9708	11.1149	-43.7216	-16.9148		10.2672	-18.5107	
5	0.3856	210.656	8.65421	41.8512	-18.7961	-62.8117	16.9528		
5	0.3711	252.802		-10.9651	-27.6993	-48.5831	21.0419	-8.90386	
5	0.3593	61.8527	17.4481	-4.18268		-33.4426	24.0515	-13.2898	
6	0.5123	730.683		-314.81	-6.07041	-56.6879	46.2963	-9.949	22.6391
6	0.5092	737.177	2.32589	-333.529		-54.8909	46.8902	-10.4401	23.6988
6	0.5005	811.531	-0.3173	-291.659	-5.85231	-74.7473	37.9483		22.5871
6	0.4961	144.629	3.00337		-8.01933	-61.658	50.6672	-9.64374	18.6492
6	0.4827	588.907	3.11518	-364.863	-4.83764		21.9531	-19.0093	20.5256
6	0.4822	773.925	0.73846	-356.548	-6.00915	-25.8599		-5.53312	19.6582
6	0.4024	97.3967	10.0854	18.3411	-18.1092	-40.5754	27.4345	-12.1088	
7	0.5126	703.967	1.06841	-305.186	-5.51855	-55.6657	46.4316	-10.2661	22.1533

LAG 5

Number In Model	RSquare	Intercept	LFEF_5	LPH_5	LSULF_5	LDOC_5	LTKNF_5	LTPF_5	LSO4F_5
1	0.2517	-5.36311						-12.4723	
1	0.2502	225.255				-43.6058			
1	0.0428	12.8744							10.9534
1	0.0243	58.1541	-8.74579						
1	0.0183	64.3247			-12.6325				
1	0.0022	273.525		-121.406					
1	0.0001	40.0347					-0.86352		
2	0.5959	384.371				-105.764	68.0223		
2	0.5466	-152.787					59.9421	-27.5595	
2	0.2904	273.213			-18.8912	-45.8508			
2	0.272	21.48			-13.3108			-12.5233	
2	0.2689	112.608				-22.903		-6.81513	
2	0.2648	201.899				-41.7237			6.496
2	0.2595	233.051	-5.45734			-42.5877			
2	0.2566	626.82		-206.581		-44.0629			
2	0.253	-1.99152						-12.952	-2.15027
2	0.2522	-114.44		56.2529				-12.5464	
2	0.2519	-7.60014	0.81246					-12.5934	
2	0.059	37.658			-11.9064				10.6939
2	0.0581	31.0914	-7.02548						9.86157
2	0.0473	1.39764					5.26991		12.3115
2	0.044	85.3497	-9.00006		-13.1167				
2	0.0435	147.825		-69.5923					10.8126
2	0.0248	-65.9934	-9.35776	64.8835					
2	0.0244	59.2071	-8.73756				-0.68208		
2	0.0211	73.9014			-14.1608		-4.12176		
2	0.0186	150.383		-44.8752	-12.2643				
2	0.0025	284.269		-125.953			-1.24028		
3	0.7204	347.688				-114.062	83.5389		20.2975
3	0.6788	159.835				-68.5161	76.3271	-14.7597	
3	0.6012	-219.7	15.0092				70.3454	-32.4159	
3	0.5968	534.059		-77.3618		-105.665	67.7261		
3	0.5966	385.591	-1.44111			-105.167	67.6637		
3	0.5964	387.805			-2.07286	-105.296	67.2405		
3	0.5872	-1240.81		551.829			67.2628	-30.1294	
3	0.5558	-184.752			9.85826		64.8556	-28.7584	
3	0.5476	-149.726					59.9165	-27.9797	-1.91239
3	0.3022	250.572			-18.2526	-44.081			5.84634
3	0.3004	281.705	-5.65472		-19.054	-44.8152			
3	0.3004	184.622			-17.0318	-30.2156		-5.07417	
3	0.2917	460.302		-97.2663	-18.1098	-45.9731			
3	0.2751	-266.049		149.571	-14.5489			-12.7252	
3	0.2739	25.9737			-13.5186			-13.1039	-2.59854
3	0.2721	19.8704	0.56565		-13.2849			-12.6076	
3	0.2711	210.692	-4.55325			-41.0587			5.85945
3	0.2706	131.407				-27.4414		-5.04262	2.92014
3	0.2703	131.964	-2.34628			-25.4066		-5.84688	
3	0.2698	281.624		-81.7565		-24.9388		-6.20453	

3	0.2692	541.283		-173.843		-42.2258			6.09076
3	0.2612	462.946	-4.29674	-119.12		-43.0678			
3	0.2534	-104.356		52.7534				-13.0111	-2.10332
3	0.2532	-4.20188	0.8001					-13.0703	-2.14557
3	0.2522	-103.567	0.33548	50.1691				-12.5884	
3	0.0756	57.622	-7.32051		-12.3782				9.54593
3	0.0618	20.163	-6.86236				4.82385		11.1301
3	0.0597	31.0358			-11.0443		2.21683		11.284
3	0.059	29.2067		4.39633	-11.9419				10.702
3	0.0589	-123.973	-7.78115	80.9753					9.90792
3	0.0479	-265.382	-10.7767	185.053	-14.7306				
3	0.0476	88.1772		-44.5217			5.06564		12.1688
3	0.0468	94.6892	-8.98037		-14.6135		-4.03942		
3	0.0249	-60.807	-9.33004	62.5624			-0.48264		
3	0.0215	171.537		-50.8376	-13.7665		-4.18309		
4	0.7276	269.613				-98.3109	83.6708	-5.60153	16.347
4	0.7227	338.69			4.84018	-115.377	85.7791		20.8398
4	0.7227	344.283	2.78952			-115.453	84.6746		20.8751
4	0.721	223.745		63.854		-114.233	83.949		20.5141
4	0.6996	83.7029	9.59634			-61.2067	81.2306	-19.2303	
4	0.689	-436.797		289.342		-62.7864	78.7954	-17.1776	
4	0.6831	133.177			6.76177	-67.4787	79.4492	-15.7759	
4	0.6242	-281.486	17.2268		16.0064		79.8602	-35.0801	
4	0.6182	-952.597	12.0035	378.509			73.2835	-33.2061	
4	0.6021	-216.768	14.9917				70.3094	-32.802	-1.78296
4	0.5971	389.339	-1.51507		-2.22516	-104.634	66.806		
4	0.5971	520.715		-69.1536	-1.53259	-105.329	67.1795		
4	0.597	501.45	-0.86032	-60.1323		-105.331	67.578		
4	0.5926	-1219.97		528.788	7.58167		70.736	-30.9441	
4	0.5878	-1233.21		549.105			67.2081	-30.4232	-1.39471
4	0.5565	-181.711			9.69616		64.7538	-29.084	-1.57167
4	0.3094	260.515	-4.85242		-18.4673	-43.4			5.16031
4	0.3039	219.144	-3.81858		-17.746	-34.5968		-3.42535	
4	0.3036	212.737			-17.5086	-36.7214		-2.56453	4.05424
4	0.3028	383.827		-68.9936	-17.7139	-44.2107			5.70468
4	0.3005	221.785	-5.96328	31.3927	-19.3151	-44.7192			
4	0.3004	188.795		-2.04136	-17.0206	-30.2616		-5.06007	
4	0.2769	-255.852		146.523	-14.7243			-13.2814	-2.50811
4	0.2754	-303.544	-1.08476	170.682	-14.7733			-12.5921	
4	0.2739	24.4107	0.54682		-13.4933			-13.1844	-2.59449
4	0.2729	162.942	-3.16075			-32.1322		-3.22345	3.76828
4	0.2724	410.009	-3.56474	-103.074		-41.5008			5.75737
4	0.2721	362.185		-109.852		-31.0655		-3.87507	3.492
4	0.2706	240.616	-1.94595	-54.1548		-26.3279		-5.60763	
4	0.2534	-92.636	0.36108	46.1992				-13.0571	-2.10703
4	0.0799	-312.789	-9.18381	195.331	-14.0765				9.61441
4	0.0759	52.8288	-7.25389		-11.7736		1.54373		9.9673
4	0.0632	-188.645	-7.8605	108.528			5.25689		11.3061
4	0.0597	10.968		10.3966	-11.1177		2.24425		11.3105
4	0.0503	-242.688	-10.6878	177.726	-16.0782		-3.80937		
5	0.7389	202.992	7.17741			-90.217	86.6907	-9.75267	14.9057
5	0.7323	242.161			7.08418	-97.3537	86.9736	-6.62626	16.4182



5	0.7321	-134.317		193.287		-93.0267	84.9606	-7.66448	15.5478
5	0.7255	333.887	3.10403		5.38571	-117.073	87.2954		21.5437
5	0.723	256.705		42.5207	4.54485	-115.41	85.9155		20.951
5	0.7227	319.096	2.6673	13.0528		-115.427	84.7087		20.8941
5	0.7107	24.6651	11.4352		11.2744	-58.0763	87.3758	-21.7812	
5	0.7035	-291.652	8.35658	186.802		-58.4519	82.1907	-20.2137	
5	0.6922	-428.366		274.118	5.8241	-62.1943	81.3547	-17.9256	
5	0.6344	-854.118	14.5303	300.234	13.7514		80.8503	-35.3315	
5	0.6246	-278.98	17.1962		15.871		79.7554	-35.3188	-1.20621
5	0.6187	-944.442	12.0128	375.533			73.231	-33.5149	-1.45463
5	0.5973	478.406	-1.05148	-46.5857	-1.81461	-104.859	66.8979		
5	0.5929	-1213.99		526.872	7.47099		70.64	-31.1752	-1.15314
5	0.3096	180.347	-5.26024	41.9402	-18.8129	-43.2639			5.18877
5	0.3094	268.598	-5.07814		-18.6272	-44.8506		0.51651	5.48934
5	0.3044	90.9685	-4.33679	64.9987	-18.2005	-33.7265		-3.65047	
5	0.3037	284.485		-34.5285	-17.3385	-37.7703		-2.22163	4.22297
5	0.2771	-292.888	-1.0709	167.37	-14.9455			-13.149	-2.50319
5	0.2736	318.73	-2.65129	-76.5756		-33.9025		-2.70279	4.03021
5	0.0804	-326.636	-9.14211	199.53	-13.3708		1.89488		10.1331
6	0.7487	145.609	8.94311		10.5788	-86.7963	92.3658	-12.3041	14.6574
6	0.7405	-41.8351	6.43462	120.453		-87.7616	87.182	-10.6087	14.5568
6	0.7359	-122.26		175.521	6.46941	-92.6382	87.8583	-8.41066	15.6863
6	0.7256	384.844	3.36699	-26.6391	5.61695	-117.195	87.3384		21.5337
6	0.7127	-241.083	10.4008	134.517	10.406	-56.3336	87.5939	-22.2929	
6	0.6346	-849.111	14.5178	298.726	13.6476		80.7562	-35.5333	-1.02584
6	0.3096	189.568	-5.36803	39.5679	-18.886	-44.1126		0.29945	5.37791
7	0.7492	5.85111	8.43798	69.9401	10.1364	-85.5137	92.4138	-12.6944	14.4652

LAG 6

Number	RSquare	Intercept	LFEF_6	LPH_6	LSULF_6	LDOC_6	LTKNF_6	LTPF_6	LSO4F_6
In Model									
1	0.1128	150.85					-27.889		
1	0.1061	60.3552							-9.0002
1	0.093	6.35029						-7.538	
1	0.0097	28.5941			4.06976				
1	0.0048	42.6006					-4.9424		
1	0.0004	36.9065	-0.534						
1	0	45.7544		-5.3211					
2	0.2965	224.69					-37.544		-12.27
2	0.2729	28.5943						-10.486	-12.173
2	0.2595	279.086					-76.117	49.5031	
2	0.1606	-65.471						29.0286	-15.309
2	0.1582	53.6514	7.62381						-13.913
2	0.1569	93.6379					-17.647		-11.852
2	0.1352	147.929			6.24149	-29.738			
2	0.1205	77.6755			-6.182				-11.48
2	0.1186	160.608	-2.0365				-28.939		
2	0.1145	38.5506		59.1923			-28.355		
2	0.1143	122.884					-22.799		-1.7876
2	0.1115	-4.7806			5.65042			-7.9421	
2	0.1083	-69.503		67.5871					-9.205
2	0.0943	-92.202		50.842				-7.6523	
2	0.0931	7.14711	-0.2876					-7.5297	
2	0.0194	37.1762			5.14966		-7.2327		
2	0.0117	22.6025	1.43297		5.35716				
2	0.0098	55.8021		-14.122	4.09562				
2	0.0063	46.4632	-1.0618					-5.6638	
2	0.0048	53.9403		-5.8751				-4.9441	
2	0.0004	43.9204	-0.5299	-3.6402					
3	0.3926	10.8359	11.9721					-12.873	-20.61
3	0.3545	294.935					-68.042	33.5373	-9.5064
3	0.3478	217.731	7.57267				-37.475		-17.144
3	0.3132	-127.33		187.928			-39.612		-13.02
3	0.3122	243.378			-6.4613		-37.677		-14.873
3	0.3028	167.751					-27.112		-3.7235
3	0.2933	48.6218			-7.3683			-10.689	-15.19
3	0.2882	-10.057						14.6789	-14.106
3	0.2879	-314.94		177.897				-11.058	-12.886
3	0.2756	-62.784		185.126			-81.089	53.1126	
3	0.2749	195.603					-62.711	53.0635	-5.9258
3	0.2627	273.099			2.43607		-75.016	47.6321	
3	0.2595	278.792	0.13759				-76.183	49.6441	
3	0.2096	87.094	7.66837					-17.753	-16.811
3	0.1732	-89.487	3.28975					35.0509	-17.016
3	0.1707	110.373			-6.0461			-17.539	-14.26
3	0.167	-292.68		115.301				30.5258	-15.969
3	0.1655	-66.158			3.03052			26.8934	-14.954
3	0.1615	-105.62	7.7134	82.8551					-14.222

3	0.1608	-76.931		89.0889			-17.967		-12.174
3	0.1605	61.4986	7.06672		-2.626				-14.607
3	0.1366	121.08			6.22581	-24.845		-1.7166	
3	0.1364	53.2589		49.9157	6.17737	-30.112			
3	0.1353	146.254	0.32183		6.52463	-29.656			
3	0.1258	-122.72		105.385	-6.9272				-12.098
3	0.1209	30.8337	-2.1432	68.6731		-29.534			
3	0.1188	148.792	-1.9039			-26.835		-0.7147	
3	0.1186	-17.266	2.72743		8.15201			-8.1995	
3	0.1161	6.62995		60.8081		-23.115		-1.8444	
3	0.1124	-85.319		41.6082	5.592			-8.0314	
3	0.0945	-93.248	-0.3411	51.8687				-7.6448	
3	0.0204	32.4739	1.03648		6.03448		-6.9221		
3	0.0195	70.4816		-17.274	5.18433		-7.253		
3	0.012	64.2807	1.49066	-21.758	5.44883				
3	0.0063	51.4652	-1.0589	-2.5972			-5.6625		
4	0.4489	-70.594	14.5268				29.4866	-20.655	-19.846
4	0.4172	-432.5	12.5048	229.169				-13.716	-21.903
4	0.4042	287.074	7.4487			-67.534	33.0522		-14.34
4	0.3937	16.2409	11.5856		-1.7776			-12.845	-21.065
4	0.3936	39.8402	11.4668			-5.5049		-11.399	-20.318
4	0.3829	-162.34		248.238		-74.127	37.2243		-10.193
4	0.3727	316.607			-6.9582	-68.858	34.2755		-12.249
4	0.3712	208.159				-54.035	37.1335	-6.1672	-9.5715
4	0.3674	-163.96	7.78984	203.66		-39.714			-18.096
4	0.3508	226.889	6.94329		-2.9664	-37.542			-17.934
4	0.3371	-190.84		234.399	-8.138	-40.292			-16.484
4	0.3206	-200.36		194.031		-28.395		-4.0277	-13.28
4	0.3204	179.746			-6.8433	-25.825		-4.2335	-15.275
4	0.3176	-394.23		231.759	-9.095			-11.482	-16.825
4	0.3118	7.61426			-7.9377		16.1618	-14.691	-14.017
4	0.3068	-399.55		199.327			16.4147	-15.175	-11.544
4	0.2937	-182.25		200.668		-66.931	57.2866	-6.4428	
4	0.2782	175.712	1.70768			-60.927	55.5061	-7.0786	
4	0.2775	-55.248		178.523	1.8955	-80.055	51.528		
4	0.2773	192.676			2.08486	-62.121	51.3686	-5.7699	
4	0.2756	-62.781	0.00179	185.123		-81.09	53.1143		
4	0.2645	267.288	1.37482		3.60481	-75.151	48.1434		
4	0.2149	-113.44	7.78251	104.689			-18.13		-17.262
4	0.2116	94.3111	7.14905		-2.4473		-17.702		-17.449
4	0.1975	-112.56	6.20311		7.95156		34.7816	-17.596	
4	0.1799	-322.78	3.33239	118.232			36.6641	-17.715	
4	0.1783	-130.25		126.973	-6.9404		-17.978		-15.074
4	0.1709	-275.96		106.505	2.72534		28.4913	-15.599	
4	0.1652	-128.15	7.01995	99.7897	-3.3551				-15.172
4	0.1379	22.6606		51.4896	6.15922	-25.091		-1.7655	
4	0.1372	108.383	0.91604		7.02712	-23.167		-2.2237	
4	0.1365	54.2706	0.17709	48.8964	6.33448	-30.059			
4	0.1211	18.867	-2.0099	68.7131		-27.418		-0.7192	
4	0.119	-74.153	2.65805	29.5533	8.04689			-8.2564	
4	0.0207	76.0653	1.0963	-22.75	6.1312		-6.9309		
5	0.486	-630.33	15.4873	284.406			32.9424	-22.613	-21.361

5	0.4777	73.6367	12.471			-33.593	41.351	-14.792	-17.755
5	0.4497	-65.682	14.1821		-1.5615		29.4269	-20.614	-20.247
5	0.4361	-198.35	7.71492	263.368		-73.971	36.9466		-15.241
5	0.4213	-456.42	11.78	247.07	-3.5245			-13.727	-22.907
5	0.4185	-402.52	11.9452	230.356		-6.1267		-12.08	-21.585
5	0.4134	-235.82		303.684	-9.1993	-76.564	39.0238		-13.972
5	0.4085	299.029	6.6874		-3.5805	-68.005	33.4816		-15.257
5	0.4035	-290.9		265.555		-58.948	41.4876	-6.8701	-10.313
5	0.3949	48.4744	10.9974		-1.9389	-6.0247		-11.229	-20.787
5	0.393	222.827			-7.6316	-53.46	38.3203	-6.814	-12.586
5	0.3744	-195.79	6.8279	228.314	-4.6576	-40.091			-19.452
5	0.3473	-280.88		244.456	-8.6386	-27.104		-4.7505	-17.004
5	0.3422	-498.96		261.573	-9.9802		18.8212	-16.245	-15.67
5	0.2969	-200.24	1.66957	199.891		-65.171	59.6584	-7.5679	
5	0.2948	-174.16		195.284	1.46007	-66.405	55.9864	-6.3197	
5	0.2877	146.032	3.64726		5.04904	-57.474	54.1758	-8.0103	
5	0.2783	-50.394	0.93996	173.724	2.7091	-80.013	51.7728		
5	0.2185	-135.8	7.09407	121.49	-3.3307		-18.121		-18.204
5	0.2018	-301.24	6.1097	96.1387	7.60197		36.1052	-18.139	
5	0.1383	19.757	0.7653	47.4589	6.83388	-23.67		-2.1853	
6	0.5228	-526.82	13.257	314.995		-38.132	46.7815	-16.17	-19.151
6	0.4904	-655.82	14.7387	303.239	-3.6791		33.0306	-22.648	-22.407
6	0.4797	84.4358	11.8961		-2.3925	-34.355	41.5286	-14.598	-18.323
6	0.4472	-239.51	6.50207	296.314	-5.8609	-75.548	38.1367		-16.855
6	0.4403	-391.44		329.454	-10.17	-59.364	44.1169	-7.9012	-14.509
6	0.423	-422.7	11.0811	249.525	-3.7341	-7.1795		-11.81	-22.594
6	0.3031	-194.45	3.26779	183.838	4.15247	-61.991	58.2308	-8.2948	
7	0.5306	-555.59	12.1422	341.733	-4.9175	-40.084	47.6076	-15.886	-20.437

MULTIVARIATE  
 PORE WATER  
 Mosquitofish THg vs LOG Y  
 POOLED STATIONS

LAG 0

Number In Model	RSquare	Intercept	FEF_0	PH_0	SULF_0	DOC_0	TKNF_0	TPF_0	SO4F_0
1	0.4234	4.8218				-0.02488			
1	0.4215	3.80653						-16.3561	
1	0.1202	3.38804							-0.00648
1	0.1141	3.3163	-0.01182						
1	0.1108	4.04775					-0.20852		
1	0.0138	-4.03098		1.01016					
1	0.0073	2.7799			0.03066				
2	0.6029	4.19607				-0.05128	0.50744		
2	0.5668	2.33516					0.43449	-30.9575	
2	0.5194	5.08065	-0.01086			-0.02436			
2	0.5121	5.09791				-0.02401			-0.00558
2	0.4983	4.03949	-0.00974					-15.6863	
2	0.4842	4.04672						-15.3806	-0.00473
2	0.4581	4.43139			0.06772	-0.02598			
2	0.4537	-6.96586		1.55229				-16.7857	
2	0.4526	3.39296			0.06386			-16.9716	
2	0.4319	-0.71372		0.79464		-0.02474			
2	0.4277	4.37545				-0.0137		-7.55288	
2	0.2634	4.64932					-0.23882		-0.00735
2	0.2508	4.53052	-0.01317				-0.23282		
2	0.2207	-17.8988		3.0889					-0.00962
2	0.1772	4.53417			-0.12394				-0.01113
2	0.1437	-7.07736	-0.01277	1.49847					
2	0.1354	3.75167			0.05746		-0.22899		
2	0.1341	3.85312	-0.01545		-0.06293				
2	0.1263	-3.3964		1.07178			-0.21018		
2	0.1238	3.37894	-0.00477						-0.00419
2	0.0321	-7.44422		1.44906	0.05195				
3	0.6444	4.45638	-0.00741			-0.0474	0.43954		
3	0.6271	4.43945				-0.04705	0.43542		-0.00312
3	0.6189	3.9555			0.04646	-0.05089	0.48531		
3	0.6156	-11.0859		1.92093			0.46118	-32.3861	
3	0.6094	3.64453				-0.03775	0.51082	-9.26215	
3	0.6053	1.27884		0.41985		-0.0509	0.50137		
3	0.5951	-18.3095		3.24546				-15.6035	-0.00801
3	0.592	2.69413	-0.00592				0.3703	-28.3932	
3	0.5823	-12.8206		2.5912		-0.02314			-0.00825
3	0.5801	2.13533			0.04229		0.41262	-30.6301	
3	0.5739	2.59491					0.38463	-28.9128	-0.00179
3	0.548	-9.45712	-0.01091	1.94888				-16.1452	
3	0.5398	-3.57784	-0.01165	1.24568		-0.02411			
3	0.5221	-13.8804		2.4535	0.10197			-18.018	
3	0.5213	5.09842	-0.00768			-0.02422			-0.00189

3	0.5194	5.14769	-0.01094			-0.02599		1.10163	
3	0.5194	5.08458	-0.01089		-0.00055	-0.02435			
3	0.5149	5.31934			-0.02888	-0.02337			-0.00669
3	0.514	5.42621				-0.0318		5.29657	-0.00589
3	0.4983	4.00948	-0.00952		0.0038			-15.7385	
3	0.4983	4.0411	-0.00949					-15.6727	-0.00015
3	0.4865	-6.48847		1.54861	0.09063	-0.02608			
3	0.4847	4.14848			-0.01199			-15.1672	-0.00521
3	0.4613	4.05367			0.06668	-0.01635		-6.49263	
3	0.455	-8.88899		1.78297		0.00776		-21.836	
3	0.3877	-19.014		3.44918			-0.25895		-0.01093
3	0.295	5.41336			-0.09354		-0.2197		-0.0108
3	0.2855	-6.70608	-0.01422	1.62336			-0.23728		
3	0.2744	-16.4404		3.03876	-0.12034				-0.01409
3	0.2679	-31.6149	0.02383	5.08582					-0.02307
3	0.2663	4.63819	-0.00426				-0.23826		-0.00531
3	0.2567	4.78059	-0.01511		-0.03467		-0.22406		
3	0.1774	4.51882	-0.00114		-0.12251				-0.01054
3	0.1734	-8.9149		1.80291	0.08545		-0.24177		
3	0.1518	-4.8301	-0.01505	1.2267	-0.04246				
4	0.6608	-17.1855		2.90021			0.33229	-27.2705	-0.00512
4	0.6592	-16.3655		2.62102	0.08217		0.42841	-32.2708	
4	0.653	-6.9884		1.66861		-0.04262	0.36215		-0.00526
4	0.6524	-1.01372	-0.00805	0.79051		-0.04633	0.42223		
4	0.6505	-12.0318	-0.00701	2.11716			0.38788	-29.4951	
4	0.6478	4.40172	-0.0116			-0.04872	0.46087		0.00259
4	0.6452	4.24409	-0.00712			-0.04258	0.44336	-3.39888	
4	0.6444	4.4332	-0.00722		0.0032	-0.04747	0.43974		
4	0.6295	-2.79284		0.95996	0.06158	-0.04987	0.46423		
4	0.6276	4.27022				-0.04349	0.44054	-2.6052	-0.00294
4	0.6273	4.37018			0.00827	-0.04744	0.43931		-0.00278
4	0.6244	3.45871			0.04494	-0.03851	0.48913	-8.47504	
4	0.6242	-6.15023		1.31951		-0.02115	0.4956	-19.7816	
4	0.6182	-27.9632	0.01679	4.64834				-15.1834	-0.01754
4	0.6077	2.39827	-0.01507				0.43437	-31.1263	0.00587
4	0.5973	-20.8326	0.01363	3.7497		-0.02238			-0.01599
4	0.5952	-18.2379		3.24207	-0.00569			-15.5021	-0.00823
4	0.5951	-18.5782		3.27732		0.00114		-16.3443	-0.008
4	0.5926	2.59773	-0.00522		0.01145		0.37194	-28.6067	
4	0.5852	-12.6078		2.593	-0.02938	-0.02249			-0.00938
4	0.5802	2.06921			0.04656		0.41923	-30.9587	0.00032
4	0.5569	-12.0145	-0.00835	2.26531	0.04634			-16.8557	
4	0.5483	-8.48207	-0.01103	1.83296		-0.00404		-13.5083	
4	0.542	-4.73883	-0.0104	1.38897	0.02306	-0.02452			
4	0.5294	-19.0212		3.07464	0.10833	0.019		-30.4609	
4	0.5224	5.23821	-0.00708		-0.01824	-0.0238			-0.00288
4	0.5219	5.29368	-0.00728			-0.02885		3.15062	-0.00226
4	0.5194	5.15768	-0.011		-0.0011	-0.02602		1.13686	
4	0.5192	5.95102			-0.04202	-0.03568		8.56693	-0.00769
4	0.4983	4.00315	-0.00965		0.00446			-15.7569	0.0001
4	0.4569	-35.8098	0.02904	5.9084			-0.27717		-0.02743
4	0.4147	-17.8866		3.38796	-0.0866		-0.24089		-0.01406

4	0.3541	-34.3816	0.03194	5.70055	-0.15725				-0.0335
4	0.2954	5.39273	-0.00159		-0.09152		-0.2199		-0.00996
4	0.2857	-6.34364	-0.01458	1.57819	-0.0069		-0.23542		
5	0.6667	-12.9067		2.3724		-0.01763	0.36448	-16.9064	-0.00498
5	0.6665	-17.6355		2.89218	0.04471		0.36565	-29.2394	-0.00309
5	0.6651	-15.3953	-0.0036	2.52871	0.05951		0.39982	-30.8186	
5	0.6632	-20.7616	0.00604	3.4361			0.30268	-26.0795	-0.00881
5	0.6623	-6.27012	-0.00736	1.41906		-0.02489	0.42479	-14.5213	
5	0.6611	-13.7059		2.29399	0.0779	-0.01022	0.44675	-26.1859	
5	0.6539	-1.95096	-0.00706	0.90663	0.01845	-0.04659	0.42085		
5	0.6537	-4.54506	-0.00351	1.31018		-0.04407	0.3856		-0.00307
5	0.653	-6.9864		1.66649	0.00149	-0.04269	0.36295		-0.00519
5	0.6507	3.94569	-0.0126			-0.03933	0.47679	-6.97022	0.00357
5	0.6506	4.1412	-0.01273		0.03065	-0.05032	0.4778		0.00441
5	0.6453	4.19801	-0.00682		0.00494	-0.04246	0.44386	-3.56297	
5	0.6302	1.28439	-0.01946		0.09359		0.51838	-35.8828	0.01234
5	0.6282	4.05319			0.0153	-0.04234	0.45043	-3.97331	-0.00222
5	0.6218	-28.7392	0.0189	4.80413	-0.03488			-14.5083	-0.02009
5	0.6212	-32.019	0.01872	5.15891		0.01245		-23.2513	-0.01853
5	0.6067	-22.4953	0.01714	4.05152	-0.0554	-0.02095			-0.02011
5	0.5952	-18.3389		3.25372	-0.00532	0.00041		-15.7743	-0.00822
5	0.5572	-13.2673	-0.00802	2.41522	0.04998	0.00436		-19.757	
5	0.5241	5.67423	-0.00603		-0.02864	-0.032		5.74934	-0.00412
5	0.5103	-37.6744	0.03508	6.33152	-0.12518		-0.25484		-0.03538
6	0.6699	-14.1734		2.47928	0.03474	-0.01385	0.38351	-20.6578	-0.00343
6	0.6698	-10.6924	-0.00461	1.95799	0.04606	-0.01703	0.42238	-20.2739	
6	0.6669	-14.3867	0.0018	2.58324		-0.01592	0.35254	-17.5531	-0.00609
6	0.6667	-18.6571	0.0018	3.05281	0.04025		0.35349	-28.6878	-0.00439
6	0.659	3.01854	-0.01575		0.05965	-0.03381	0.52437	-13.3929	0.00802
6	0.654	-3.44623	-0.00507	1.13362	0.01257	-0.04536	0.40269		-0.00156
6	0.6233	-31.6305	0.01994	5.15682	-0.02811	0.00933		-20.6902	-0.02035
7	0.6701	-12.538	-0.00218	2.23734	0.03899	-0.01545	0.40028	-20.3338	-0.0019

LAG 1

Number In Model	RSquare	Intercept	FEF_1	PH_1	SULF_1	DOC_1	TKNF_1	TPF_1	SO4F_1
1	0.2483	4.31986				-0.0151			
1	0.2432	2.99625							0.0067
1	0.2363	3.66301						-8.1325	
1	0.1972	4.05992			-0.1195				
1	0.1653	3.04568	0.00499						
1	0.092	3.96036					-0.1419		
1	0.0317	11.824		-1.2251					
2	0.4658	3.32732						-7.8969	0.00651
2	0.4643	3.94907				-0.0143			0.00633
2	0.4452	5.04677			-0.1194	-0.0151			
2	0.4434	4.41619			-0.1225			-8.3022	
2	0.3313	3.39399	0.00387					-6.9831	
2	0.3216	3.95323	0.00348			-0.0126			
2	0.3199	4.13181				-0.0296	0.25571		
2	0.2923	3.48887					-0.1053		0.00617
2	0.2795	4.63745			-0.1166		-0.1344		
2	0.2765	3.46704			-0.0617				0.00481
2	0.266	3.20283					0.14252	-12.333	
2	0.2539	7.99212		-0.7191					0.00648
2	0.2534	4.11292				-0.0101		-3.035	
2	0.2506	1.80647		0.3694		-0.0159			
2	0.2447	2.98537	0.00076						0.00605
2	0.2385	1.16155		0.36321				-8.532	
2	0.2225	3.69679	0.00254		-0.0838				
2	0.2125	9.98009		-0.8577	-0.1153				
2	0.1948	3.47057	0.0042				-0.0857		
2	0.1678	0.22839	0.00537	0.40321					
2	0.0957	7.09081		-0.4596			-0.1293		
3	0.6207	3.58156				-0.0362	0.38987		0.0077
3	0.561	2.41495					0.26441	-15.648	0.00765
3	0.5362	4.87129			-0.1255	-0.0315	0.28904		
3	0.5085	3.86823			-0.07			-8.0715	0.00436
3	0.5056	4.49204			-0.0688	-0.0146			0.00421
3	0.491	3.8665			-0.1283		0.1813	-13.654	
3	0.4906	4.14135	-0.0034			-0.0165			0.00921
3	0.4813	-3.3777		0.97154				-8.9559	0.00678
3	0.4783	3.38558	-0.0023					-8.5031	0.00845
3	0.4778	-2.1821		0.89915		-0.016			0.00655
3	0.4744	3.65283				-0.0072		-4.2716	0.00641
3	0.4575	-0.7677		0.85829	-0.1236	-0.0168			
3	0.4571	-1.8518		0.91441	-0.1273			-9.3147	
3	0.4547	4.77353			-0.1209	-0.0082		-4.1438	
3	0.4465	5.16775	-0.0006		-0.1283	-0.0156			
3	0.4435	4.39157	0.00016		-0.1203			-8.2524	
3	0.4285	3.63052	0.00432			-0.03	0.31856		
3	0.4108	2.52205	0.00503				0.24519	-13.867	
3	0.387	-11.281	0.00562	2.11326				-8.7899	
3	0.3622	-8.178	0.00488	1.76118		-0.015			



3	0.3343	3.60084	0.00369			-0.0044		-4.834	
3	0.3332	4.05133			-0.0687		-0.1135		0.00403
3	0.3309	3.81769				-0.0228	0.26791	-4.4752	
3	0.3214	2.11383		0.29673		-0.0301	0.2544		
3	0.294	3.53483	-0.0008				-0.1125		0.00686
3	0.2927	4.47621		-0.1447			-0.1015		0.00615
3	0.2857	8.11104		-0.6699	-0.0605				0.00465
3	0.2812	4.49686	0.00071		-0.1068		-0.1254		
3	0.2796	5.11769		-0.0708	-0.1163		-0.1324		
3	0.2771	3.49744	-0.0005		-0.0648				0.00515
3	0.2674	1.23325		0.28682			0.14074	-12.596	
3	0.2567	1.05599		0.44616		-0.0104		-3.347	
3	0.2556	9.82301	-0.0011	-0.9804					0.00733
3	0.2237	5.84555	0.00212	-0.3026	-0.0883				
3	0.2046	-2.3578	0.00488	0.84406			-0.0997		
4	0.6479	4.03985			-0.0562	-0.0355	0.37375		0.00592
4	0.6472	3.77454	-0.0035			-0.0384	0.39023		0.0106
4	0.6456	3.09063				-0.0261	0.41207	-6.7774	0.00792
4	0.6341	-2.5498		0.89918		-0.0379	0.38988		0.00793
4	0.5944	2.93775			-0.0621		0.25198	-15.439	0.00569
4	0.5752	-3.9926		0.92933			0.26261	-16.609	0.0079
4	0.5745	5.12808	-0.006		-0.1066	-0.0185			0.00812
4	0.5645	2.47693	-0.0012				0.25546	-15.71	0.00865
4	0.5549	4.47533			-0.128	-0.0227	0.30567	-5.8519	
4	0.5501	4.19919	-0.0045		-0.098			-9.3349	0.00733
4	0.5469	-0.5413		0.7992	-0.1293	-0.0329	0.28652		
4	0.5368	4.7898	0.00041		-0.1198	-0.0314	0.29353		
4	0.5278	-3.6298		1.09017	-0.0733			-9.268	0.00457
4	0.5224	-2.3518		1.007	-0.0717	-0.0165			0.00438
4	0.5168	4.1874			-0.0698	-0.0071		-4.4987	0.00427
4	0.5026	-1.8868		0.84106	-0.1326		0.17736	-14.469	
4	0.4983	3.55268	0.00152		-0.1075		0.20611	-13.904	
4	0.4963	3.90202	-0.0032			-0.0109		-3.2395	0.00905
4	0.4916	-3.3931		1.02547		-0.0079		-5.0418	0.00669
4	0.4911	2.62299	-0.0031	0.2197		-0.0167			0.00896
4	0.4848	-14.627	0.00719	2.45472			0.27405	-16.776	
4	0.4832	-1.459	-0.0011	0.69773				-8.9594	0.00767
4	0.4787	-9.8967	0.00592	1.9617		-0.0335	0.33323		
4	0.4704	-1.9105		0.97954	-0.126	-0.0089		-4.8749	
4	0.4649	-5.2364	0.00177	1.3677	-0.1046			-9.2563	
4	0.4581	-1.6699	0.00051	0.97715	-0.117	-0.0167			
4	0.4559	3.08205	0.0047			-0.0192	0.34376	-7.1737	
4	0.4552	4.85813	-0.0004		-0.1264	-0.0087		-4.0022	
4	0.3887	-10.977	0.00547	2.09176		-0.0033		-7.1599	
4	0.3506	4.37171	-0.003		-0.0881		-0.1413		0.00585
4	0.3336	1.06363		0.40212		-0.0231	0.26689	-4.7509	
4	0.3332	4.21454		-0.024	-0.0686		-0.1129		0.00403
4	0.3024	14.4925	-0.0037	-1.5582	-0.081				0.00696
4	0.2972	7.33756	-0.0018	-0.5498			-0.106		0.00753
4	0.2814	3.63316	0.00086	0.12294	-0.1052		-0.1269		
5	0.7092	4.65234	-0.0057		-0.0922	-0.0387	0.36399		0.00957
5	0.6735	3.548			-0.0568	-0.0253	0.39604	-6.8649	0.00612

5	0.6649	-4.4018		1.0899		-0.027	0.41481	-7.6127	0.00822
5	0.6649	3.32913	-0.003			-0.0295	0.40914	-5.7883	0.01039
5	0.664	-2.6735		0.98795	-0.059	-0.0374	0.37293		0.00608
5	0.6477	2.29994	-0.0031	0.21337		-0.0386	0.39019		0.01036
5	0.6148	3.27805	-0.0032		-0.083		0.22412	-15.531	0.00767
5	0.6119	-4.1862		1.03719	-0.0653		0.24932	-16.5	0.00587
5	0.5785	4.91751	-0.0058		-0.1056	-0.0138		-2.7297	0.008
5	0.5766	8.3446	-0.0069	-0.46	-0.1106	-0.0182			0.0086
5	0.5756	-4.9852	0.00058	1.069			0.26662	-16.724	0.00746
5	0.5699	-2.0653		0.95866	-0.1329	-0.0233	0.30467	-6.5618	
5	0.5572	4.27942	0.00086		-0.1162	-0.022	0.31614	-6.2212	
5	0.5552	-3.911	0.00191	1.24113	-0.1051	-0.0335	0.30589		
5	0.5502	3.61286	-0.0043	0.08361	-0.0973			-9.3836	0.00724
5	0.538	-3.645		1.14378	-0.0732	-0.0078		-5.369	0.00447
5	0.5344	-9.2407	0.00384	1.8004	-0.085		0.23545	-16.03	
5	0.5297	-14.045	0.00686	2.45129		-0.0191	0.37236	-10.094	
5	0.4985	0.52587	-0.0023	0.4817		-0.0102		-3.8764	0.00848
5	0.4735	-4.1618	0.00118	1.27224	-0.111	-0.0075		-5.5184	
5	0.364	12.4191	-0.0052	-1.1493	-0.0984		-0.1311		0.00713
6	0.7234	4.22931	-0.0052		-0.0896	-0.0307	0.38165	-5.1845	0.00941
6	0.7106	7.25978	-0.0064	-0.3727	-0.0955	-0.0383	0.36312		0.00996
6	0.6962	-4.5686		1.18482	-0.0604	-0.0262	0.39803	-7.7783	0.00633
6	0.6692	-1.3346	-0.0018	0.66484		-0.0287	0.41196	-6.6849	0.00961
6	0.6173	-0.4452	-0.0022	0.52663	-0.0781		0.23146	-16.041	0.00714
6	0.5902	-7.9882	0.0031	1.7238	-0.0945	-0.0214	0.34141	-8.4528	
6	0.5792	6.95981	-0.0064	-0.2877	-0.1083	-0.0143		-2.3364	0.00832
7	0.7234	4.11807	-0.0052	0.01564	-0.0895	-0.0307	0.38177	-5.2066	0.0094

## LAG 2

Number In Model	RSquare	Intercept	FEF_2	PH_2	SULF_2	DOC_2	TKNF_2	TPF_2	SO4F_2
1	0.4294	4.2359				-0.0187			
1	0.296	3.31104						-7.8047	
1	0.1947	2.49573	0.01901						
1	0.1322	3.69142					-0.1625		
1	0.0381	2.70497							0.01036
1	0.0083	3.12301			-0.0302				
1	0.0004	1.72364		0.17304					
2	0.726	3.8491				-0.052	0.57591		
2	0.4822	3.83092	0.01055			-0.0163			
2	0.457	4.64548			-0.0555	-0.0192			
2	0.4418	4.52089				-0.0254		3.7307	
2	0.4407	10.9282		-0.9612		-0.0193			
2	0.4341	4.1309				-0.0183			0.00372
2	0.3938	2.9401	0.01394					-6.621	
2	0.3636	2.47264					0.25285	-15.011	
2	0.3115	3.59355			-0.0414			-7.9141	
2	0.2973	3.26118						-7.6446	0.00201
2	0.2967	4.96593		-0.2389				-7.8377	
2	0.2692	3.14838	0.01635				-0.1251		
2	0.2494	2.21625	0.01988						0.01247
2	0.1953	2.55519	0.01885		-0.0083				
2	0.1948	1.80339	0.019	0.10009					
2	0.1574	4.11081			-0.0535		-0.1754		
2	0.1431	3.51251					-0.15		0.00573
2	0.1352	7.11173		-0.4909			-0.1675		
2	0.0427	7.27366		-0.6653					0.01203
2	0.0391	2.79191			-0.0113				0.0098
2	0.0083	3.64312		-0.0744	-0.031				
3	0.759	3.53928				-0.0532	0.61528		0.01004
3	0.7376	3.67201	0.00508			-0.0493	0.54902		
3	0.737	3.52814				-0.0479	0.62187	-3.7975	
3	0.7308	8.22995		-0.6287		-0.0521	0.57088		
3	0.7306	4.02863			-0.0231	-0.0515	0.56258		
3	0.4971	4.18263	0.00939		-0.0417	-0.017			
3	0.494	3.63073	0.01139			-0.0155			0.00595
3	0.4913	9.81908	0.01033	-0.8589		-0.0169			
3	0.4888	4.05875	0.01004			-0.0213		2.72405	
3	0.4861	16.1378		-1.6296	-0.0754	-0.0204			
3	0.4734	5.00495			-0.0597	-0.027		4.30563	
3	0.4593	13.0689		-1.2176		-0.0278		4.65359	
3	0.4592	2.11959	0.01378				0.24872	-13.723	
3	0.4571	4.61239			-0.0539	-0.0191			0.00076
3	0.4553	13.9946		-1.4305		-0.0188			0.00712
3	0.4528	4.43318				-0.0266		4.7638	0.0059
3	0.4023	2.7915	0.01467					-6.1443	0.0052
3	0.399	3.12021	0.01338		-0.0242			-6.7323	
3	0.3945	4.53436	0.01393	-0.2302				-6.653	
3	0.3667	2.65517			-0.0193		0.23752	-14.625	

3	0.3657	-0.4793		0.4202			0.26535	-15.309	
3	0.3648	2.42527					0.25267	-14.852	0.00193
3	0.3161	8.05544		-0.637	-0.0487			-8.0213	
3	0.3115	3.60942			-0.0422			-7.9489	-0.0004
3	0.2994	6.33302		-0.4476				-7.6142	0.00316
3	0.2956	2.82956	0.01746				-0.1029		0.00904
3	0.2768	3.40907	0.01558		-0.03		-0.1341		
3	0.2712	5.95224	0.0163	-0.4022			-0.1293		
3	0.2586	8.66043	0.02013	-0.9393					0.01485
3	0.2524	2.0556	0.02033		0.01938				0.01347
3	0.1953	2.29252	0.01885	0.03753	-0.0079				
3	0.171	12.0625		-1.1248	-0.0681		-0.1903		
3	0.1597	3.96946			-0.0469		-0.1676		0.00287
3	0.1536	10.4462		-1.0058			-0.155		0.0081
3	0.0449	8.02854		-0.7566	-0.0166				0.01144
4	0.7823	13.8795		-1.4999		-0.0539	0.61732		0.01363
4	0.7764	3.29262	0.00626			-0.05	0.58578		0.01097
4	0.7633	3.36049				-0.0505	0.6413	-2.4233	0.0092
4	0.759	3.52801			0.00116	-0.0533	0.61624		0.01012
4	0.7499	3.32166	0.00537			-0.0447	0.59621	-4.0258	
4	0.7419	7.81907	0.00497	-0.5946		-0.0495	0.54484		
4	0.7405	10.8042		-0.9584	-0.0357	-0.0513	0.54768		
4	0.7402	3.82166	0.00468		-0.0175	-0.0491	0.54112		
4	0.7395	3.68978			-0.0172	-0.0478	0.60792	-3.4631	
4	0.739	6.47426		-0.4177		-0.0484	0.61346	-3.379	
4	0.5186	14.1689	0.00852	-1.4099	-0.0601	-0.0182			
4	0.5173	19.735		-2.0671	-0.0866	-0.0318		6.132	
4	0.5165	13.7729	0.01151	-1.4716		-0.016			0.00947
4	0.5069	3.90581	0.01088			-0.0226		3.9831	0.00768
4	0.5066	4.49526	0.00865		-0.0459	-0.0231		3.30582	
4	0.502	11.5408	0.0096	-1.0629		-0.0236		3.57312	
4	0.5016	3.96928	0.01021		-0.0321	-0.0163			0.00396
4	0.4963	19.7516		-2.1957		-0.0323		7.56543	0.01241
4	0.4912	17.574		-1.8601	-0.0691	-0.0201			0.00434
4	0.4758	4.91486			-0.054	-0.0275		4.7651	0.00294
4	0.4674	1.97646	0.01449				0.24803	-13.237	0.00509
4	0.4613	-0.8202	0.01378	0.41847			0.26117	-14.02	
4	0.4592	2.12587	0.01377		-0.0006		0.24823	-13.711	
4	0.4074	7.55081	0.01491	-0.6947				-6.0718	0.00705
4	0.4039	2.92482	0.01421		-0.0144			-6.295	0.00428
4	0.4015	6.44828	0.01324	-0.4744	-0.0298			-6.8243	
4	0.3674	0.85525		0.25102	-0.0154		0.24805	-14.88	
4	0.367	2.612			-0.0172		0.2391	-14.588	0.00095
4	0.366	0.01476		0.34627			0.26306	-15.171	0.00103
4	0.3165	8.43559		-0.6974	-0.0471			-7.9367	0.00111
4	0.3092	10.6998	0.01764	-1.1427			-0.108		0.01176
4	0.2961	2.91883	0.01718		-0.0081		-0.1066		0.00849
4	0.2834	8.99475	0.01519	-0.7877	-0.0408		-0.1456		
4	0.26	8.07179	0.02042	-0.8697	0.01338				0.01536
4	0.1785	13.6266		-1.3836	-0.0591		-0.179		0.00539
5	0.8003	13.7623	0.00637	-1.5193		-0.0506	0.58733		0.01461
5	0.7834	14.5289		-1.5764	-0.0125	-0.0535	0.60711		0.01302

5	0.7824	13.6357		-1.4679		-0.0535	0.6207	-0.3195	0.01344
5	0.7811	3.10018	0.00635			-0.0471	0.61285	-2.5602	0.01009
5	0.7776	3.14504	0.00668		0.01351	-0.0502	0.59497		0.01188
5	0.7634	3.32146			0.00372	-0.0506	0.64479	-2.4624	0.00942
5	0.7515	5.89362	0.00528	-0.3642		-0.0452	0.58933	-3.657	
5	0.7508	3.4291	0.00512		-0.0104	-0.0449	0.58902	-3.8131	
5	0.7483	10.0009	0.00424	-0.8713	-0.0294	-0.0492	0.52959		
5	0.7446	8.97951		-0.735	-0.0284	-0.0487	0.58399	-2.5077	
5	0.5487	18.9172	0.0107	-2.1505		-0.0282		6.73988	0.01402
5	0.5397	24.2342		-2.7407	-0.0763	-0.0349		8.26255	0.00983
5	0.5391	17.4699	0.00713	-1.8081	-0.0719	-0.028		5.07938	
5	0.532	16.2597	0.0098	-1.7601	-0.0474	-0.0173			0.00722
5	0.5151	4.26333	0.00965		-0.0334	-0.0236		4.07229	0.00565
5	0.4687	1.80862	0.01494		0.01419		0.25908	-13.404	0.00599
5	0.4674	1.50831	0.01447	0.06736			0.25006	-13.302	0.00491
5	0.4617	-1.4523	0.01394	0.49808	0.00727		0.26926	-14.206	
5	0.4102	8.38034	0.01432	-0.7892	-0.0197			-6.2682	0.00604
5	0.3674	1.0426		0.22163	-0.0148		0.24768	-14.83	0.00052
5	0.3117	11.7462	0.01699	-1.2631	-0.0196		-0.1177		0.01073
6	0.8004	13.4207	0.00638	-1.4746		-0.0501	0.59202	-0.4475	0.01435
6	0.8003	13.7753	0.00636	-1.5208	-0.0002	-0.0506	0.58717		0.0146
6	0.7834	14.4947		-1.572	-0.0124	-0.0535	0.60759	-0.0394	0.013
6	0.783	2.90336	0.00687		0.01672	-0.0471	0.62621	-2.7476	0.01116
6	0.7541	7.71363	0.00473	-0.5926	-0.02	-0.0458	0.57117	-3.0161	
6	0.5705	22.4044	0.00858	-2.5633	-0.0565	-0.031		7.42015	0.01179
6	0.4691	0.4178	0.01493	0.19645	0.01634		0.26668	-13.619	0.00561
7	0.8004	13.3664	0.00641	-1.4681	0.00077	-0.0501	0.59273	-0.4655	0.01438

LAG 3

Number In Model	RSquare	Intercept	FEF_3	PH_3	SULF_3	DOC_3	TKNF_3	TPF_3	SO4F_3
1	0.187	4.09632				-0.0169			
1	0.1417	3.27859						-8.1364	
1	0.1018	3.75692					-0.1804		
1	0.0849	3.15474							-0.0054
1	0.0715	2.21241			0.10625				
1	0.0234	12.064		-1.327					
1	0.0048	2.8358	0.00112						
2	0.3518	3.09808	0.01429						-0.0184
2	0.3151	4.57047				-0.0189			-0.0067
2	0.2815	3.39044			0.12265	-0.0179			
2	0.2485	3.60659						-8.7793	-0.006
2	0.2432	4.35185					-0.2313		-0.0071
2	0.2408	2.51321			0.12603			-8.9594	
2	0.2122	4.02053				-0.0295	0.20454		
2	0.2007	3.07046			0.12619		-0.2052		
2	0.1961	0.96071	0.00798		0.24119				
2	0.1919	4.21915	-0.0012			-0.0177			
2	0.1878	4.18646				-0.019		1.32275	
2	0.1876	2.48864		0.23704		-0.0173			
2	0.1419	4.21004		-0.1356				-8.0113	
2	0.1418	3.2874	-0.0001					-8.1752	
2	0.1417	3.26037					0.00561	-8.3198	
2	0.1196	14.4126		-1.6259					-0.0057
2	0.1066	13.4896		-1.64	0.11556				
2	0.1048	3.86437	-0.001				-0.1929		
2	0.103	5.96637		-0.3252			-0.1724		
2	0.0928	2.76051			0.04939				-0.0038
2	0.0234	11.8372	0.00015	-1.2953					
3	0.4576	4.12965	0.01109			-0.0136			-0.0164
3	0.4392	3.4446	0.0124					-6.5872	-0.0172
3	0.418	1.88913	0.01656		0.15035				-0.0156
3	0.4105	3.87884	0.01198				-0.1491		-0.0174
3	0.3628	-4.4227	0.01613	1.08511					-0.0198
3	0.3239	2.41429	0.00497		0.20387	-0.0149			
3	0.3231	1.44436	0.00659		0.23494			-7.8764	
3	0.3216	4.20818			0.04489	-0.0188			-0.0052
3	0.3209	4.50841				-0.0251	0.10118		-0.0063
3	0.3187	4.77863				-0.0237		2.94842	-0.0068
3	0.3151	4.2719		0.04397		-0.019			-0.0067
3	0.2957	3.36942			0.11633	-0.0275	0.15498		
3	0.2815	3.6897		-0.0443	0.12283	-0.0179			
3	0.2815	3.38769			0.12268	-0.0179		-0.0381	
3	0.2632	3.07669			0.06775			-8.9896	-0.0039
3	0.2581	3.99927					-0.1115	-5.1966	-0.0066
3	0.2539	1.94746	0.00567		0.21654		-0.1491		
3	0.2503	6.30105		-0.3918				-8.4248	-0.0061
3	0.2487	4.01265			0.04149		-0.2298		-0.0058
3	0.2451	7.15412		-0.4122			-0.2213		-0.0071

3	0.2426	5.19861		-0.3922	0.12748			-8.6071	
3	0.2411	2.56931			0.12649		-0.0182	-8.3692	
3	0.2134	4.08736	-0.0006			-0.0293	0.1941		
3	0.2126	2.75596		0.1865		-0.0298	0.20369		
3	0.2124	3.9752				-0.0287	0.20871	-0.6424	
3	0.2042	6.85945		-0.5592	0.12806		-0.1918		
3	0.1973	3.40757	0.00759	-0.3468	0.23647				
3	0.1935	4.369	-0.0013			-0.0211		2.00841	
3	0.1919	4.01015	-0.0012	0.03055		-0.0178			
3	0.1884	2.60128		0.23356		-0.0194		1.3061	
3	0.1421	4.58773	-0.0003	-0.1882				-8.0342	
3	0.142	4.24383		-0.1442			0.00778	-8.2575	
3	0.1418	3.27905	-0.0001				0.00231	-8.2468	
3	0.1298	14.3657		-1.6842	0.05646				-0.0039
3	0.1077	7.48895	-0.0013	-0.5286			-0.1838		
4	0.5073	2.22228	0.01468		0.15248			-6.658	-0.0143
4	0.5044	3.01329	0.01329		0.12746	-0.0124			-0.0142
4	0.4983	-10.694	0.01417	2.16505		-0.016			-0.0189
4	0.4799	-11.584	0.01568	2.1789				-7.9793	-0.0198
4	0.4674	4.04162	0.01126			-0.0216	0.13203		-0.0161
4	0.4605	2.70747	0.01429		0.1321		-0.1282		-0.0151
4	0.4577	4.09353	0.01114			-0.0128		-0.482	-0.0164
4	0.4396	3.35907	0.01256				0.0237	-7.3208	-0.0172
4	0.4387	-8.3545	0.01459	1.78423			-0.1745		-0.0196
4	0.4367	-8.0277	0.0191	1.41975	0.15988				-0.0173
4	0.3498	2.23802	0.00572		0.20742	-0.0276	0.2133		
4	0.3419	0.64011	0.0083		0.25893		0.17034	-13.132	
4	0.3302	-4.6169	0.00746	0.86464	0.24619			-8.5094	
4	0.3297	1.99084	0.00565		0.21789	-0.0081		-4.0125	
4	0.3291	-2.6757	0.00562	0.73415	0.21155	-0.0158			
4	0.3281	4.12581			0.047	-0.0253	0.10648		-0.0048
4	0.3235	4.40616			0.03955	-0.0224		2.19412	-0.0055
4	0.3226	4.66353				-0.0275	0.08576	2.06322	-0.0064
4	0.3216	4.32146		-0.0168	0.04497	-0.0188			-0.0052
4	0.321	4.31263		0.02884		-0.0251	0.1011		-0.0063
4	0.3187	4.55347		0.03313		-0.0238		2.94514	-0.0068
4	0.2966	3.25776			0.11705	-0.0256	0.16457	-1.5252	
4	0.2958	3.83237		-0.0685	0.1166	-0.0274	0.15518		
4	0.2815	3.68678		-0.0442	0.12286	-0.0178		-0.0369	
4	0.2688	3.45016			0.05903		-0.0867	-6.1776	-0.0046
4	0.2654	6.07843		-0.4376	0.06878			-8.5968	-0.0039
4	0.259	6.01637		-0.2953			-0.1076	-5.0556	-0.0066
4	0.2543	0.42535	0.00587	0.21883	0.21897		-0.1524		
4	0.2513	7.22173		-0.4749	0.04388		-0.2181		-0.0057
4	0.2427	5.14551		-0.3788	0.12775		-0.0127	-8.206	
4	0.2135	3.46705	-0.0006	0.09063		-0.0295	0.19459		
4	0.2134	4.07036	-0.0006			-0.0291	0.19579	-0.2125	
4	0.2128	2.70558		0.18719		-0.029	0.20789	-0.6481	
4	0.1935	4.36912	-0.0013	-2E-05		-0.0211		2.00841	
4	0.1421	4.57888	-0.0003	-0.188			0.002	-8.0965	
5	0.5635	-15.726	0.01883	2.58152	0.17033			-8.3156	-0.0171
5	0.5533	-13.403	0.01689	2.38323	0.13877	-0.0149			-0.0167

5	0.5185	1.58605	0.01585		0.17253		0.13175	-10.746	-0.0141
5	0.5176	2.86867	0.01358		0.1323	-0.0216	0.15328		-0.0138
5	0.5103	2.58538	0.01398		0.1416	-0.0054		-4.057	-0.0142
5	0.5085	-10.844	0.01437	2.1738		-0.0241	0.13421		-0.0186
5	0.4995	-11.121	0.01442	2.20867		-0.0132		-1.7122	-0.019
5	0.4958	-11.116	0.0174	2.00378	0.1417		-0.1553		-0.0174
5	0.4806	-11.749	0.01589	2.18681			0.03052	-8.9291	-0.0198
5	0.4691	3.87061	0.01152			-0.019	0.14867	-2.1336	-0.0162
5	0.3686	1.38082	0.00723		0.23512	-0.0183	0.27665	-7.6267	
5	0.3562	-3.4278	0.00646	0.81658	0.21605	-0.0289	0.21851		
5	0.3513	-6.4424	0.00942	1.00282	0.27354		0.18146	-14.21	
5	0.3367	-4.0629	0.00652	0.86345	0.22914	-0.008		-4.6504	
5	0.3285	4.23117			0.04417	-0.0266	0.09798	1.09479	-0.0049
5	0.3281	4.36683		-0.0357	0.04717	-0.0253	0.1066		-0.0048
5	0.3235	4.52537		-0.0177	0.03963	-0.0224		2.19432	-0.0055
5	0.3226	4.50351		0.02355		-0.0275	0.08571	2.06147	-0.0064
5	0.2967	3.72052		-0.0685	0.11732	-0.0255	0.16477	-1.5251	
5	0.2702	5.89034		-0.3591	0.06041		-0.0813	-6.0292	-0.0046
5	0.2135	3.41503	-0.0005	0.09521		-0.0292	0.19667	-0.2585	
6	0.5787	-17.142	0.02036	2.6783	0.19441		0.1538	-13.15	-0.0169
6	0.5673	-13.678	0.01721	2.40146	0.14383	-0.0244	0.15754		-0.0163
6	0.5659	-15.314	0.01818	2.56923	0.16044	-0.0049		-5.9635	-0.0169
6	0.5325	2.097	0.01484		0.15783	-0.0133	0.21046	-6.8046	-0.0136
6	0.513	-11.758	0.01492	2.26587		-0.0199	0.16193	-3.543	-0.0189
6	0.3796	-6.2535	0.00841	1.0841	0.25019	-0.0189	0.29187	-8.6264	
6	0.3285	4.46485		-0.0346	0.04434	-0.0265	0.0981	1.09375	-0.0049
7	0.5934	-16.734	0.01935	2.69487	0.17946	-0.0137	0.2347	-9.1208	-0.0164



## LAG 4

Number In Model	RSquare	Intercept	FEF_4	PH_4	SULF_4	DOC_4	TKNF_4	TPF_4	SO4F_4
1	0.405	4.70601				-0.0198			
1	0.2758	3.77215						-9.3319	
1	0.2675	4.51783					-0.253		
1	0.142	3.23412	0.00467						
1	0.0838	16.1463		-1.8348					
1	0.0548	3.82325			-0.061				
1	0.032	3.32866							0.00254
2	0.4727	5.1383			-0.0678	-0.0201			
2	0.4519	4.45896	0.00278			-0.0179			
2	0.426	4.61239				-0.0295	0.16885		
2	0.4253	4.59064				-0.0195			0.00203
2	0.4201	5.04823				-0.0279		5.16639	
2	0.4183	9.90722		-0.7614		-0.0187			
2	0.3628	3.56875	0.00371					-8.4633	
2	0.3566	4.23995			-0.0744			-9.8054	
2	0.3256	4.22636	0.00311				-0.2184		
2	0.3188	4.86899			-0.059		-0.2513		
2	0.309	3.64618						-9.3522	0.00259
2	0.2934	11.733		-1.0558			-0.2319		
2	0.2932	9.83435		-0.8801				-8.5608	
2	0.2907	4.15181					-0.1214	-5.4952	
2	0.2785	4.41238					-0.2454		0.00151
2	0.1692	3.29843	0.00706						-0.0036
2	0.1615	10.0635	0.00384	-0.9815					
2	0.147	17.1923		-1.9284	-0.0656				
2	0.1425	3.28367	0.00449		-0.0067				
2	0.1133	15.8403		-1.8078					0.00244
2	0.0576	3.71819			-0.0511				0.00093
3	0.5044	5.05893			-0.0735	-0.0322	0.20944		
3	0.4891	10.9423		-0.8481	-0.0694	-0.0189			
3	0.4805	5.36765			-0.0647	-0.026		3.76377	
3	0.48	4.33009	0.003			-0.0291	0.19681		
3	0.4781	4.93947	0.00119		-0.0531	-0.0192			
3	0.4728	5.16342			-0.0699	-0.0201			-0.0002
3	0.4589	4.71488	0.00258			-0.0237		3.58883	
3	0.458	4.4374				-0.0319	0.21633		0.00261
3	0.4534	4.45447	0.0034			-0.0176			-0.0009
3	0.453	6.1233	0.0026	-0.2413		-0.0177			
3	0.4396	9.88076		-0.7714		-0.0285	0.17025		
3	0.4383	9.73624		-0.7532		-0.0185			0.00201
3	0.4381	11.2203		-0.8956		-0.028		5.98244	
3	0.4361	4.89504				-0.0265		4.41651	0.00182
3	0.4336	4.88086				-0.0339	0.14072	3.81759	
3	0.3807	3.91391	0.00244		-0.0438			-9.0391	
3	0.3765	10.7226		-0.9401	-0.0755			-8.9891	
3	0.3678	3.5865	0.00479					-8.198	-0.0016
3	0.3644	3.70496	0.00356				-0.0409	-7.2039	
3	0.3629	4.18455	0.00364	-0.0889				-8.4015	

3	0.3613	4.43271			-0.0708		-0.0688	-7.6094	
3	0.3571	4.1978			-0.0705			-9.7835	0.00036
3	0.3497	12.7921		-1.1568	-0.0619		-0.2281		
3	0.3397	4.24258	0.00489				-0.2117		-0.0026
3	0.3363	4.51806	0.00213		-0.0335		-0.2284		
3	0.3309	7.79472	0.00272	-0.5167			-0.2125		
3	0.3251	9.47992		-0.8466				-8.6101	0.00254
3	0.3199	4.9478			-0.0653		-0.2541		-0.0006
3	0.3139	3.88956					-0.0729	-7.047	0.00227
3	0.309	10.3835		-0.903			-0.125	-4.5882	
3	0.3048	11.6904		-1.0653			-0.224		0.00154
3	0.1738	3.47064	0.00672		-0.0224				-0.004
3	0.1732	6.87385	0.00607	-0.516					-0.0028
3	0.1692	12.2727	0.00275	-1.2665	-0.0307				
3	0.148	17.0305		-1.914	-0.0598				0.00055
4	0.5216	10.9969		-0.8678	-0.0753	-0.0311	0.21199		
4	0.5107	4.84168	0.00129		-0.0577	-0.0314	0.21272		
4	0.5059	5.16988			-0.0717	-0.0341	0.19565	1.73509	
4	0.5049	5.00796			-0.0695	-0.0324	0.21434		0.00039
4	0.5006	11.8982		-0.9468	-0.0658	-0.0261		4.60165	
4	0.4894	11.0171		-0.8535	-0.0727	-0.019			-0.0003
4	0.4892	10.7395	0.00012	-0.8215	-0.0679	-0.0189			
4	0.4844	5.17625	0.00101		-0.0525	-0.0247		3.40793	
4	0.4841	4.98349	0.00226		-0.059	-0.0188			-0.0018
4	0.4813	4.45498	0.0029			-0.031	0.18379	1.63177	
4	0.4809	5.41132			-0.068	-0.0262		3.8227	-0.0003
4	0.4808	5.72828	0.00285	-0.2026		-0.0289	0.19574		
4	0.48	4.33017	0.00303			-0.0291	0.19644		-3E-05
4	0.4713	9.65248		-0.7635		-0.0309	0.21752		0.0026
4	0.4619	7.56886	0.00223	-0.4077		-0.0243		4.16983	
4	0.4606	4.60777				-0.0344	0.1967	2.27021	0.00245
4	0.4604	4.7095	0.00318			-0.0234		3.5752	-0.0009
4	0.4537	5.38073	0.00315	-0.1341		-0.0176			-0.0007
4	0.4531	10.9061		-0.8716		-0.0266		5.23337	0.00176
4	0.4507	10.9084		-0.8739		-0.0338	0.13613	4.65787	
4	0.3917	4.00521	0.00384		-0.052			-8.7434	-0.0024
4	0.3854	7.72591	0.00176	-0.5396	-0.053			-8.7844	
4	0.382	4.03314	0.00232		-0.0435		-0.0367	-7.9059	
4	0.3815	10.9948		-0.9503	-0.0718		-0.0719	-6.6847	
4	0.3766	10.663		-0.9352	-0.0731			-8.9798	0.00022
4	0.3703	3.76201	0.0047				-0.0522	-6.5652	-0.0017
4	0.3685	2.04766	0.00519	0.22258				-8.2965	-0.0019
4	0.3647	4.68945	0.00344	-0.1405			-0.0442	-7.0051	
4	0.3613	4.41989			-0.07		-0.0676	-7.6412	8.3E-05
4	0.3587	4.64998	0.00407		-0.0462		-0.2236		-0.0034
4	0.3518	11.361	0.00086	-0.9686	-0.0511		-0.2226		
4	0.3512	12.9356		-1.1644	-0.0692		-0.2312		-0.0007
4	0.3399	5.00871	0.00469	-0.1111			-0.2109		-0.0024
4	0.3307	9.87		-0.8654			-0.0779	-6.1272	0.0022
4	0.1821	9.08789	0.00502	-0.7986	-0.0333				-0.0029
5	0.525	11.5303		-0.9216	-0.0727	-0.034	0.19154	2.59322	
5	0.5219	10.9268		-0.8631	-0.0723	-0.0313	0.2156		0.00029

5	0.5218	10.6185	0.00023	-0.8182	-0.0724	-0.0311	0.21243		
5	0.5123	4.86948	0.00185		-0.0606	-0.0306	0.20245		-0.0009
5	0.5115	4.93188	0.00122		-0.0573	-0.0329	0.20276	1.23228	
5	0.5062	5.124			-0.0687	-0.0342	0.20025	1.63177	0.0003
5	0.5013	12.0317		-0.957	-0.0707	-0.0263		4.6962	-0.0005
5	0.5011	12.6111	-0.0004	-1.0391	-0.0708	-0.0266		4.82543	
5	0.4902	9.82603	0.0008	-0.6892	-0.0683	-0.0187			-0.0009
5	0.4902	5.21631	0.00207		-0.0583	-0.0242		3.36017	-0.0018
5	0.4828	6.49143	0.00264	-0.2899		-0.0312	0.17851	2.10104	
5	0.4813	4.45597	0.00295			-0.0309	0.18272	1.64186	-8E-05
5	0.481	6.16276	0.00253	-0.2657		-0.0292	0.20013		0.0004
5	0.4761	10.3594		-0.8327		-0.0342	0.19067	3.11637	0.00238
5	0.4621	7.20297	0.00249	-0.3557		-0.0241		4.09092	-0.0003
5	0.3942	4.18171	0.00376		-0.052		-0.0525	-7.1034	-0.0026
5	0.3923	5.45692	0.00342	-0.207	-0.0546			-8.6791	-0.0021
5	0.3876	8.33355	0.00151	-0.6027	-0.0536		-0.0498	-7.2165	
5	0.3815	11.0207		-0.9523	-0.0726		-0.073	-6.6515	-8E-05
5	0.3708	2.52412	0.00503	0.17785			-0.0498	-6.721	-0.002
5	0.3625	8.46426	0.00294	-0.5439	-0.0533		-0.2214		-0.0027
6	0.525	11.4849		-0.9181	-0.0713	-0.034	0.19374	2.54105	0.00014
6	0.525	11.6533	-7E-05	-0.9374	-0.0735	-0.034	0.19107	2.63649	
6	0.5219	10.9303	-2E-06	-0.8636	-0.0723	-0.0313	0.21561		0.00029
6	0.5132	4.96782	0.0018		-0.0602	-0.0321	0.19131	1.32874	-0.001
6	0.5013	12.0981	-4E-05	-0.966	-0.0709	-0.0263		4.71388	-0.0004
6	0.4832	7.06601	0.00223	-0.3725		-0.0317	0.18344	2.17419	0.0005
6	0.3951	6.04015	0.00322	-0.2632	-0.0553		-0.0561	-6.907	-0.0022
7	0.5252	12.1253	-0.0004	-1.0054	-0.0734	-0.0345	0.19516	2.69674	0.00042

## LAG 5

Number In Model	RSquare	Intercept	FEF_5	PH_5	SULF_5	DOC_5	TKNF_5	TPF_5	SO4F_5
1	0.3658	57.8879		-7.9847					
1	0.2836	3.44822	-0.0749						
1	0.1484	3.75563				-0.0152			
1	0.1333	1.88834							0.05357
1	0.1186	2.903						-5.0776	
1	0.0641	3.42971			-0.1				
1	0.0132	2.90807					-0.0593		
2	0.5486	61.8433		-8.3715		-0.0169			
2	0.5025	59.6046		-8.1867				-5.4557	
2	0.4446	44.6892	-0.0448	-6.0057					
2	0.4352	4.61365	-0.0753			-0.0153			
2	0.4159	52.2668		-7.2384					0.03387
2	0.397	59.9789		-8.2197			-0.0915		
2	0.3767	3.67465	-0.0716					-4.5125	
2	0.3756	55.78		-7.6321	-0.0405				
2	0.3665	4.41529	-0.0775		-0.114				
2	0.3527	2.83393	-0.0673						0.03939
2	0.313	3.92744	-0.0774				-0.0889		
2	0.3006	3.05926				-0.0162			0.05736
2	0.2768	3.65771				-0.0358	0.32684		
2	0.2356	4.8134			-0.1173	-0.0164			
2	0.2328	1.69378					0.33104	-13.128	
2	0.2045	3.88944			-0.1165			-5.56	
2	0.1969	2.2589						-3.8734	0.04277
2	0.1729	2.60425			-0.0796				0.04899
2	0.1529	3.59384				-0.0118		-1.6074	
2	0.1372	2.07253					-0.0328		0.05222
2	0.1017	4.14232			-0.1224		-0.1042		
3	0.6448	59.5359		-8.0512		-0.0347	0.28367		
3	0.6209	49.1242	-0.0429	-6.468		-0.0166			
3	0.6084	55.8027		-7.5657		-0.0174			0.03705
3	0.579	2.55485				-0.049	0.51343		0.08623
3	0.5717	55.6498		-7.7528			0.25985	-11.755	
3	0.5677	59.0022		-7.8881	-0.0569	-0.0174			
3	0.5613	48.0191	-0.0389	-6.4535				-5.069	
3	0.5516	61.6111		-8.357		-0.0141		-1.3058	
3	0.5448	5.83719	-0.0784		-0.1318	-0.0167			
3	0.5216	56.7145		-7.7	-0.0569			-5.6686	
3	0.5181	3.9938	-0.067			-0.0161			0.04322
3	0.5165	56.3135		-7.7524				-4.9066	0.01879
3	0.5079	4.46283	-0.0686			-0.0311	0.24976		
3	0.4832	40.6734	-0.0416	-5.4887					0.02987
3	0.4828	46.4081	-0.0468	-6.1764			-0.1014		
3	0.4806	4.789	-0.0742		-0.1284			-5.0235	
3	0.4717	39.3532	-0.0507	-5.1433	-0.0691				
3	0.4375	5.46364	-0.0823		-0.146		-0.1443		
3	0.4353	54.5691		-7.5099			-0.0734		0.03011
3	0.4352	4.62157	-0.0754			-0.0155		0.07235	

3	0.4219	50.7965		-6.9859	-0.0319				0.03272
3	0.4198	57.1316		-7.7164	-0.0642		-0.1131		
3	0.4135	3.77457	-0.0708		-0.0991				0.03295
3	0.4117	3.18128	-0.0666					-3.7324	0.02912
3	0.4108	2.88181	-0.0628				0.19105	-9.228	
3	0.3902	2.60224				-0.0289	0.54447	-9.8384	
3	0.3693	3.25059	-0.0698				-0.0677		0.03606
3	0.3581	3.99237			-0.0963	-0.0171			0.05204
3	0.3284	3.34457				-0.0263		4.70397	0.07285
3	0.3102	4.37369			-0.0774	-0.0327	0.26554		
3	0.2817	1.32481					0.29026	-11.168	0.03439
3	0.2669	2.6118			-0.0786		0.26193	-11.773	
3	0.2561	3.20482			-0.0986			-4.4895	0.03538
3	0.2421	4.63199			-0.1188	-0.0124		-1.9352	
3	0.1901	3.162			-0.0967		-0.0718		0.04505
4	0.7983	47.8755		-6.4894		-0.0448	0.43091		0.06418
4	0.7284	56.4903		-7.7434		-0.0288	0.47281	-8.4756	
4	0.6948	49.0966	-0.0361	-6.486		-0.0324	0.25153		
4	0.6936	3.34732	-0.0504			-0.0431	0.42278		0.07049
4	0.6685	44.7768	-0.0393	-5.9055		-0.017			0.03321
4	0.6617	42.7445	-0.0501	-5.4263	-0.085	-0.0173			
4	0.646	58.8507		-7.9316	-0.0156	-0.0341	0.27194		
4	0.6218	53.6781		-7.1944	-0.0479	-0.0178			0.0354
4	0.6213	49.1654	-0.0425	-6.4807		-0.0157		-0.4261	
4	0.6172	54.7676		-7.394		-0.0231		2.67173	0.04632
4	0.6011	47.873	-0.0288	-6.5571			0.20663	-10.178	
4	0.6005	5.17444	-0.0711		-0.116	-0.0172			0.03595
4	0.5988	41.8815	-0.0456	-5.4574	-0.0815			-5.3075	
4	0.5908	2.28245				-0.0453	0.57349	-3.5184	0.07802
4	0.5793	2.62601			-0.0067	-0.0486	0.50654		0.08548
4	0.5778	53.6527		-7.4851			0.24752	-11.091	0.01247
4	0.5744	54.7732		-7.5886	-0.0228		0.24133	-11.391	
4	0.5716	58.6707		-7.8601	-0.0582	-0.0143		-1.4844	
4	0.5715	45.5581	-0.0377	-6.135				-4.6112	0.01607
4	0.5706	5.50978	-0.0735		-0.1069	-0.0265	0.15955		
4	0.5507	3.68113	-0.0597			-0.0272	0.39942	-6.314	
4	0.5505	4.31236	-0.0677			-0.027		5.08251	0.05981
4	0.5449	5.81346	-0.0782		-0.132	-0.0163		-0.2288	
4	0.5359	39.2217	-0.0561	-4.9771	-0.1009		-0.1373		
4	0.5317	54.1783		-7.3758	-0.0512			-5.1762	0.01612
4	0.5094	42.7427	-0.0438	-5.7124			-0.0856		0.02527
4	0.5032	36.4095	-0.047	-4.7878	-0.0599				0.0272
4	0.4956	4.36868	-0.0706		-0.1179			-4.4606	0.01946
4	0.4845	4.40647	-0.0708		-0.1177		0.06988	-6.7057	
4	0.4628	4.83035	-0.0766		-0.1301		-0.1236		0.02485
4	0.4505	52.7468		-7.1641	-0.0528		-0.0929		0.02721
4	0.4377	2.54068	-0.0594				0.16818	-7.9741	0.02574
4	0.404	3.14796			-0.0508	-0.0273	0.48865	-9.1348	
4	0.3755	4.14287			-0.0882	-0.0251		3.77258	0.06491
4	0.3058	2.14077			-0.0667		0.23565	-10.213	0.03097
5	0.8228	41.2838	-0.0257	-5.4877		-0.0424	0.39744		0.05956
5	0.816	48.2158		-6.586		-0.0401	0.50351	-4.3253	0.05375

5	0.8026	48.6666		-6.6484	0.02984	-0.0464	0.45987		0.06703
5	0.7501	49.7727	-0.0248	-6.7137		-0.0281	0.42208	-7.1927	
5	0.7287	56.8176		-7.8032	0.00832	-0.029	0.4814	-8.5803	
5	0.7059	45.4929	-0.0413	-5.894	-0.0481	-0.0303	0.21081		
5	0.7037	3.90058	-0.0542		-0.0461	-0.0401	0.36811		0.06407
5	0.6999	39.5628	-0.046	-5.0397	-0.0751	-0.0176			0.02997
5	0.6956	3.21254	-0.0491			-0.0417	0.45034	-1.4781	0.06745
5	0.6826	42.9331	-0.0412	-5.6077		-0.0243		3.39304	0.04479
5	0.6622	42.7801	-0.0496	-5.4397	-0.0852	-0.0162		-0.5405	
5	0.6283	52.9722		-7.0789	-0.0438	-0.0226		2.29649	0.04351
5	0.6199	5.33734	-0.0713		-0.1076	-0.0256		3.96763	0.04943
5	0.6153	43.7265	-0.0363	-5.8478	-0.0556		0.14769	-8.8835	
5	0.6065	46.0825	-0.0285	-6.3188			0.19563	-9.5714	0.01174
5	0.6039	40.4634	-0.0443	-5.2855	-0.0768			-4.9635	0.01159
5	0.5926	4.7677	-0.0662		-0.0904	-0.0244	0.28454	-4.6834	
5	0.5908	2.31452			-0.0029	-0.0451	0.57022	-3.5019	0.07773
5	0.5798	52.9876		-7.355	-0.02		0.23193	-10.807	0.01183
5	0.5509	37.1496	-0.0529	-4.7441	-0.0907		-0.1216		0.01928
5	0.4986	4.03835	-0.0676		-0.1087		0.0623	-5.9749	0.01897
6	0.8326	42.5508	-0.0218	-5.7147		-0.0392	0.45817	-3.314	0.05227
6	0.8229	41.6153	-0.025	-5.5453	0.00558	-0.0428	0.40378		0.06022
6	0.8221	49.1737		-6.7801	0.03546	-0.0418	0.54173	-4.5523	0.05659
6	0.7515	48.3878	-0.0273	-6.4804	-0.018	-0.0275	0.39837	-6.8368	
6	0.71	38.3036	-0.0472	-4.8378	-0.0706	-0.0238		2.89293	0.04004
6	0.7047	3.7808	-0.0531		-0.0442	-0.0392	0.39015	-1.0595	0.06216
6	0.6191	42.4432	-0.0356	-5.6854	-0.0527		0.14159	-8.443	0.00986
7	0.8336	43.5264	-0.0196	-5.8847	0.01515	-0.04	0.47903	-3.512	0.05363

LAG 6

Number In Model	RSquare	Intercept	FEF_6	PH_6	SULF_6	DOC_6	TKNF_6	TPF_6	SO4F_6
1	0.3295	4.53458				-0.0211			
1	0.2405	3.42153						-5.6354	
1	0.1811	4.02406					-0.1931		
1	0.0694	2.95232	0.00456						
1	0.0079	3.31138			-0.0293				
1	0.0068	3.06084							0.00162
1	0.0013	1.31384		0.26182					
2	0.3475	4.53298				-0.0294	0.11948		
2	0.3445	4.37622	0.00219			-0.0199			
2	0.3419	4.78815			-0.0368	-0.0212			
2	0.3416	-0.9505		0.80107		-0.0216			
2	0.3354	4.38146				-0.0177		-1.3763	
2	0.3301	4.51227				-0.021			0.00046
2	0.2775	3.2813	0.00337					-5.3017	
2	0.2545	3.6851			-0.0392			-5.7179	
2	0.2456	7.10234		-0.5328				-5.8188	
2	0.2413	3.39997						-5.5993	0.00056
2	0.2409	3.35117					0.02021	-6.0893	
2	0.2063	3.83027	0.00285				-0.1738		
2	0.1871	4.1891			-0.0256		-0.1922		
2	0.1811	4.02278					-0.193		2.3E-05
2	0.1811	4.0571		-0.0048			-0.1932		
2	0.1128	3.01829	0.00927						-0.0067
2	0.0785	-1.9409	0.00493	0.70822					
2	0.0738	2.75282	0.00531		0.02609				
2	0.0097	3.22044			-0.0207				0.00098
2	0.0091	1.57003		0.25256	-0.0291				
2	0.008	1.32628		0.2518					0.00161
3	0.4026	3.87983				-0.029	0.31993	-5.8463	
3	0.3783	-4.9676		1.38739		-0.0348	0.18498		
3	0.3655	4.35877	0.00241			-0.0288	0.12949		
3	0.3639	4.82632			-0.0426	-0.0305	0.13294		
3	0.363	-2.5768	0.00267	1.01042		-0.0203			
3	0.3597	4.35962	0.0051			-0.0191			-0.004
3	0.3537	-0.6463		0.79332	-0.0364	-0.0217			
3	0.3519	4.19638	0.0023			-0.016		-1.544	
3	0.3502	4.4827				-0.0298	0.12898		0.00104
3	0.3486	4.63297			-0.0381	-0.0176		-1.4747	
3	0.347	4.56043	0.00156		-0.0201	-0.0203			
3	0.3436	4.89448			-0.0454	-0.0215			-0.001
3	0.3422	-0.2821		0.69488		-0.0202		-0.5279	
3	0.342	-0.9391		0.7966		-0.0215			0.0004
3	0.3358	4.36471				-0.0177		-1.3585	0.00039
3	0.3185	3.34364	0.00795					-5.2722	-0.0066
3	0.2833	2.99232	0.00375				0.07839	-7.0244	
3	0.278	4.50547	0.00326	-0.1765				-5.3731	
3	0.2776	3.32067	0.00322		-0.005			-5.3267	
3	0.2602	7.54574		-0.5581	-0.0399			-5.9115	

3	0.2563	3.55644			-0.0417		0.04163	-6.6583	
3	0.2562	3.7807			-0.0479			-5.799	-0.001
3	0.2471	7.44311			-0.6017		0.03894	-6.7174	
3	0.2464	7.07075			-0.5313			-5.7828	0.00055
3	0.2461	3.88211	0.00738				-0.1716		-0.0065
3	0.242	3.30209					0.0269	-6.1964	0.00067
3	0.2079	1.74028	0.00303	0.30039			-0.171		
3	0.2065	3.78429	0.00301		0.00541		-0.1729		
3	0.1893	4.31255			-0.0352		-0.1967		-0.0011
3	0.1871	4.2701			-0.0117	-0.0256	-0.1923		
3	0.1811	4.05584			-0.0048		-0.193		2.3E-05
3	0.1419	-6.1865	0.01125	1.33489					-0.0086
3	0.1137	2.9233	0.0095		0.0122				-0.0066
3	0.0854	-2.8934	0.00593	0.80945	0.0331				
3	0.0108	1.50284		0.24923	-0.0206				0.00097
4	0.4349	3.5505	0.00328			-0.0281	0.36183	-6.6706	
4	0.4325	4.19513			-0.0585	-0.0305	0.36538	-6.6326	
4	0.4128	-1.848		0.85141		-0.0324	0.32867	-4.9291	
4	0.4116	-7.7073	0.00338	1.75176		-0.0354	0.21623		
4	0.4094	3.76989				-0.0297	0.34416	-6.1088	0.00167
4	0.3964	-4.9436		1.42908	-0.0449	-0.0362	0.20114		
4	0.3932	-5.5118	0.0072	1.43335		-0.0193			-0.006
4	0.382	-5.2026		1.41302		-0.0355	0.19743		0.00123
4	0.3741	4.34851	0.00463			-0.0269	0.11029		-0.0031
4	0.3717	4.1232	0.00572			-0.014		-2.0066	-0.0047
4	0.3694	4.58959	0.00163		-0.0253	-0.0297	0.13425		
4	0.3643	4.61264	0.00447		-0.0278	-0.0196			-0.0044
4	0.3642	4.87042			-0.0461	-0.0304	0.13031		-0.0004
4	0.3639	-2.2346	0.00227	0.97686	-0.0122	-0.0205			
4	0.3634	-2.0044	0.00266	0.91967		-0.0191		-0.447	
4	0.3557	-0.5987		0.80312	-0.0457	-0.022			-0.0011
4	0.3547	0.20443		0.65888	-0.0371	-0.02		-0.6677	
4	0.3544	4.38211	0.00167		-0.0204	-0.0165		-1.5504	
4	0.351	4.7505			-0.0483	-0.0177		-1.5537	-0.0012
4	0.3426	-0.2915		0.69385		-0.0202		-0.512	0.00038
4	0.3253	3.03375	0.00842				0.08425	-7.1234	-0.0066
4	0.3208	3.5027	0.00756		-0.0197			-5.3703	-0.0068
4	0.3207	0.69092	0.00856	0.38329				-5.1147	-0.0071
4	0.2847	4.97195	0.00361	-0.2891			0.08517	-7.2906	
4	0.2835	3.03596	0.00359		-0.0056		0.07871	-7.0599	
4	0.2783	4.77442	0.00302	-0.207	-0.0073			-5.4223	
4	0.264	8.14598		-0.6733	-0.0438		0.0637	-7.3902	
4	0.2621	7.70531		-0.5667	-0.049			-5.9995	-0.001
4	0.2584	-2.2387	0.00879	0.88116			-0.1627		-0.0077
4	0.2576	3.65569			-0.049		0.03683	-6.6214	-0.0009
4	0.2484	7.46839		-0.6134			0.04668	-6.8476	0.00074
4	0.2465	3.95543	0.0072		-0.0085		-0.173		-0.0066
4	0.2084	1.45106	0.00331	0.3313	0.00872		-0.1692		
4	0.1893	4.41045		-0.0141	-0.0352		-0.1968		-0.0011
4	0.1444	-6.6604	0.0117	1.38063	0.02034				-0.0084
5	0.4543	-4.5539	0.00379	1.19702		-0.0328	0.38067	-5.51	
5	0.445	3.53	0.0057			-0.026	0.34365	-6.7478	-0.0034



5	0.4425	3.85073	0.00221		-0.0357	-0.0293	0.37584	-6.8806	
5	0.4419	-1.3025		0.81655	-0.0577	-0.0337	0.37315	-5.7423	
5	0.4341	-9.8598	0.00726	2.06178		-0.0334	0.19955		-0.0052
5	0.4325	4.21328			-0.0599	-0.0304	0.36409	-6.6256	-0.0002
5	0.4198	-2.0072		0.85853		-0.0331	0.35328	-5.1872	0.00169
5	0.4128	-7.3208	0.00291	1.71483	-0.0145	-0.0358	0.21713		
5	0.3965	-4.8952		1.4259	-0.047	-0.0361	0.19941		-0.0002
5	0.3955	-5.042	0.00669	1.39108	-0.0196	-0.0197			-0.0062
5	0.394	-4.8057	0.00721	1.32119		-0.0178		-0.5629	-0.006
5	0.3797	4.6265	0.00392		-0.0306	-0.0277	0.11405		-0.0035
5	0.3768	4.38501	0.00507		-0.0293	-0.0144		-2.0508	-0.0051
5	0.3645	-1.5556	0.00223	0.87082	-0.0131	-0.0192		-0.5095	
5	0.357	0.36381		0.6522	-0.0471	-0.0201		-0.7529	-0.0011
5	0.3278	3.19515	0.00802		-0.0206		0.08568	-7.2576	-0.0069
5	0.3264	1.16484	0.00882	0.27327			0.07817	-6.8775	-0.007
5	0.3224	1.22876	0.00813	0.32529	-0.0169			-5.2227	-0.0073
5	0.2852	5.32864	0.00331	-0.3305	-0.0095		0.08668	-7.3882	
5	0.2653	8.23334		-0.6718	-0.051		0.05891	-7.3521	-0.0008
5	0.2585	-2.178	0.00873	0.87512	-0.0022		-0.1631		-0.0077
6	0.4738	-6.6697	0.0074	1.50519		-0.031	0.35949	-5.3217	-0.0049
6	0.4586	-3.6888	0.00294	1.10285	-0.027	-0.0333	0.38981	-5.7604	
6	0.4554	3.87868	0.00477		-0.0418	-0.0271	0.35764	-7.0038	-0.0039
6	0.4419	-1.2846		0.81559	-0.0586	-0.0337	0.37233	-5.7389	-0.0001
6	0.4367	-9.377	0.00672	2.01919	-0.0208	-0.0338	0.20027		-0.0054
6	0.3965	-4.1754	0.00667	1.25556	-0.0209	-0.018		-0.6662	-0.0062
6	0.3284	1.78113	0.00835	0.20468	-0.0188		0.08099	-7.0616	-0.0072
7	0.4801	-5.7345	0.00655	1.40753	-0.0328	-0.0315	0.36943	-5.6149	-0.0051

MULTIVARIATE  
 PORE WATER  
 LOG Mosquitofish THg vs LOG Y  
 POOLED STATIONS

LAG 0

Number	RSquare	Intercept	LFEF_0	LPH_0	LSULF_0	LDOC_0	LTKNF_0	LTPF_0	LSO4F_0
In Model									
1	0.4352	-50.104		27.509					
1	0.4059	1.70536							0.44436
1	0.331	7.84314				-1.0902			
1	0.2359	2.03616						-0.3367	
1	0.2029	2.15564	0.39039						
1	0.1907	4.57571					-0.8609		
1	0.1579	3.90416			-0.4093				
2	0.666	5.97686				-0.9719			0.40598
2	0.6477	-39.283		23.8797		-0.8889			
2	0.6269	0.6097						-0.326	0.43625
2	0.6023	7.12417	0.45445			-1.2057			
2	0.5805	-45.823		24.8232				-0.2679	
2	0.5723	-47.167	0.32348	25.5479					
2	0.5632	-45.362		25.6495			-0.7109		
2	0.5622	0.3764	0.50748					-0.4259	
2	0.5314	-32.96		18.1994					0.26654
2	0.5155	-45.406		25.3491	-0.2967				
2	0.4607	2.68958					-0.4906		0.38537
2	0.4189	20.2686				-3.3243		0.8426	
2	0.4114	1.62386	0.08125						0.40411
2	0.4101	7.86051			-0.2965	-0.974			
2	0.407	1.56447			0.0436				0.46387
2	0.3723	3.51275	0.36999				-0.8129		
2	0.3515	2.74778			-0.353			-0.3074	
2	0.3404	8.51673				-1.3836	0.35988		
2	0.2654	4.80171			-0.2969		-0.6814		
2	0.2423	2.71264					-0.263	-0.2627	
2	0.2347	2.80947	0.28809		-0.2204				
3	0.8423	8.56903				-2.3708	1.77273		0.56389
3	0.842	-34.253	0.38911	21.0186		-1.0119			
3	0.8098	-40.537	0.43164	21.3489				-0.3534	
3	0.7443	-22.094		14.5473		-0.8897			0.2671
3	0.7182	-26.897		23.2529		-2.8988		0.75609	
3	0.7171	-2.8243					1.16709	-0.651	0.56848
3	0.7051	6.14879	0.22378			-1.0621			0.29157
3	0.7003	-26.256		14.1674				-0.2901	0.29872
3	0.6896	-42.738	0.31086	23.8428			-0.6811		
3	0.6881	-36.783		22.6193	-0.2143	-0.8155			
3	0.6832	5.5968			0.18382	-1.0206			0.48632
3	0.6788	11.1278				-1.8833		0.34072	0.37848
3	0.6773	0.18683	0.25855					-0.3746	0.30696
3	0.6711	8.92493	0.52531			-2.0567	1.02198		
3	0.6513	-38.533		23.7134		-1.074	0.22541		

3	0.6418	-41.964		23.0943	-0.2607			-0.2511	
3	0.6369	0.12863			0.1385			-0.3359	0.49798
3	0.6077	10.607	0.42282			-1.8148		0.23279	
3	0.6044	-34.425		19.5672			-0.5689		0.18477
3	0.6035	7.08549	0.47719		0.04624	-1.2296			
3	0.5972	-42.929		24.4789	-0.2023		-0.5955		
3	0.5885	-45.185		24.8853			-0.2947	-0.1848	
3	0.5881	-1.3084	0.5695				0.57621	-0.5989	
3	0.5819	-45.731	0.26811	24.9925	-0.1224				
3	0.5791	-41.602	0.25793	22.6002					0.09577
3	0.5622	0.3666	0.50884		0.00265			-0.4264	
3	0.5402	-35.822		19.9335	-0.1368				0.18838
3	0.4762	2.65905	0.14				-0.5454		0.30943
3	0.4646	2.44409			0.08658		-0.5077		0.42206
3	0.4547	17.314			-0.2132	-2.7072		0.64139	
3	0.4414	22.429				-3.9839	0.56664	0.91718	
3	0.4411	9.13427			-0.3467	-1.5077	0.67896		
3	0.414	1.37411	0.09556		0.07285				0.42962
3	0.3739	3.6213	0.3462		-0.0528		-0.784		
3	0.3538	2.35698			-0.3722		0.16704	-0.3528	
4	0.8849	-30.781	0.44863	19.9818		-1.6976	0.81202		
4	0.8803	8.7298	0.22041			-2.4551	1.76687		0.45067
4	0.869	8.17111			0.22882	-2.472	1.82414		0.66847
4	0.8573	14.1441				-3.3631	1.78369	0.36772	0.53518
4	0.8511	-2.3917		5.52089		-2.1737	1.56242		0.49244
4	0.8483	-30.557	0.35462	21.0626		-1.673		0.25278	
4	0.8469	-34.75	0.43376	21.2322	0.09216	-1.0575			
4	0.8422	-33.27	0.3767	20.489		-1.008			0.01777
4	0.823	-40.868	0.47791	20.8892			0.41467	-0.4795	
4	0.8114	-40.997	0.45844	21.4867	0.05331			-0.3622	
4	0.8108	-38.437	0.40564	20.2414				-0.351	0.03691
4	0.7807	-3.5606	0.29181				1.25511	-0.7305	0.43253
4	0.7712	-17.406		16.0459		-2.2224		0.50137	0.21231
4	0.7455	5.59467	0.29607		0.29487	-1.1693			0.38347
4	0.745	-21.054		13.964	0.04141	-0.904			0.29076
4	0.7377	-18.191		8.58203			0.85869	-0.5434	0.45023
4	0.7317	-27.358		22.5771	-0.1321	-2.5287		0.63387	
4	0.7301	-24.61		22.9021		-3.386	0.413	0.81175	
4	0.726	-3.2624			0.13144		1.16081	-0.6588	0.62635
4	0.7085	-0.8128	0.32362		0.25717			-0.4054	0.38904
4	0.7079	8.64916	0.20366			-1.4991		0.16642	0.28842
4	0.7031	12.038			0.22186	-2.1842		0.43127	0.46812
4	0.7025	-34.809		22.0614	-0.2508	-1.1854	0.46559		
4	0.7003	-26.33		14.2126	-0.0032			-0.2897	0.29686
4	0.6937	-47.115	0.36576	26.2158			-0.7387		-0.0818
4	0.6899	-42.914	0.3203	23.9114	0.02134		-0.6924		
4	0.6786	13.0475	0.48926			-2.7863	1.03823	0.27364	
4	0.6712	8.91333	0.52915		0.00818	-2.0587	1.01929		
4	0.6418	-41.969		23.0841	-0.2619		0.0102	-0.2539	
4	0.6096	10.8144	0.44937		0.05872	-1.8901		0.24993	
4	0.6088	-36.425		20.7673	-0.0974		-0.5545		0.13118
4	0.5887	-1.2297	0.55372		-0.0343		0.59254	-0.5979	

4	0.5832	-43.222	0.24733	23.6164	-0.0945				0.04883
4	0.4931	19.523			-0.2623	-3.4474	0.7579	0.6948	
4	0.4865	2.23687	0.17325		0.14635		-0.5873		0.35341
5	0.9348	8.19383	0.30447		0.34345	-2.639	1.8418		0.56447
5	0.9146	-14.721	0.30967	11.8448		-2.0662	1.31328		0.25154
5	0.8934	15.3676			0.27171	-3.7851	1.84807	0.47959	0.65062
5	0.8929	-26.552	0.41105	20.0101		-2.4554	0.82861	0.28439	
5	0.8869	-31.199	0.47626	20.1492	0.0603	-1.7092	0.7904		
5	0.8843	11.7382	0.19626			-2.9844	1.77346	0.19959	0.44749
5	0.8713	1.08159		7.0907		-3.2905	1.51557	0.43465	0.43819
5	0.8693	5.63013		1.29257	0.21434	-2.4194	1.77165		0.64512
5	0.8548	-30.674	0.40196	21.315	0.10652	-1.8077		0.28412	
5	0.8506	-30.387	0.39911	18.8527	0.14126	-1.0637			0.08366
5	0.8484	-30.097	0.3487	20.7962		-1.665		0.25048	0.00892
5	0.8382	-30.981	0.38842	15.1777			0.73884	-0.5664	0.17839
5	0.8235	-41.092	0.49002	20.9744	0.02712		0.40109	-0.4798	
5	0.8154	-36.53	0.42314	19.03	0.10394			-0.3649	0.08625
5	0.8131	-4.6024	0.35835		0.26222		1.26266	-0.764	0.51698
5	0.7738	-15.284		15.0294	0.07663	-2.3048		0.52246	0.2538
5	0.7512	-24.481		21.9235	-0.1697	-3.0644	0.54332	0.67238	
5	0.7509	9.09095	0.27048		0.30592	-1.7881		0.23408	0.38249
5	0.7391	-16.506		7.53331	0.05796		0.89361	-0.56	0.4902
5	0.694	-47.466	0.36251	26.4351	-0.0226		-0.7338		-0.0919
5	0.6788	13.1082	0.49863		0.02169	-2.8077	1.03144	0.2797	
6	0.9448	-5.5367	0.34137	6.98599	0.2791	-2.3752	1.56024		0.4257
6	0.9425	12.394	0.2739		0.357	-3.389	1.854	0.28006	0.56449
6	0.9203	-11.743	0.28307	12.1686		-2.6923	1.30881	0.24008	0.24227
6	0.8961	-26.76	0.44274	20.2211	0.07525	-2.5262	0.80286	0.30554	
6	0.8948	10.7186		2.45899	0.24527	-3.7188	1.74882	0.49191	0.60576
6	0.8581	-26.643	0.36994	19.0607	0.15265	-1.7953		0.27723	0.07919
6	0.8485	-27.199	0.41296	12.7373	0.15792		0.82639	-0.613	0.27011
7	0.953	-1.544	0.31074	7.16069	0.29147	-3.1429	1.56579	0.28912	0.42225

LAG 1

Number	RSquare	Intercept	LFEF_1	LPH_1	LSULF_1	LDOC_1	LTKNF_1	LTPF_1	LSO4F_1
In Model									
1	0.4454	0.54779						-0.6703	
1	0.308	9.79481				-1.6165			
1	0.1842	54.408		-26.481					
1	0.0839	4.28113					-0.8068		
1	0.0505	3.75284							-0.2079
1	0.0373	2.69917			0.27278				
1	0.0129	3.52046	-0.1183						
2	0.5808	1.30161						-0.7469	-0.3475
2	0.5701	-3.3138					1.5437	-1.0995	
2	0.5401	-0.3395			0.44034			-0.722	
2	0.5051	1.23015	-0.2588					-0.7175	
2	0.452	-2.1775				0.51392		-0.8276	
2	0.4478	7.87857		-3.7154				-0.635	
2	0.4475	12.0133				-1.8936			-0.3564
2	0.4012	13.0594				-2.9359	1.52125		
2	0.4007	12.127	-0.3339			-1.9116			
2	0.3988	9.80134			0.43293	-1.7821			
2	0.3388	32.7754		-12.494		-1.322			
2	0.3055	67.6049		-33.714	0.51881				
2	0.2439	63.8651	-0.2651	-30.908					
2	0.2427	56.2203		-27.068					-0.2239
2	0.219	6.01927					-1.2422		-0.3694
2	0.1965	48.3464		-23.096			-0.3445		
2	0.1571	3.9325			0.39326		-0.9926		
2	0.1454	5.64169	-0.2806				-1.1027		
2	0.0591	3.56038	0.15077						-0.311
2	0.0543	3.42726			0.11402				-0.1591
2	0.0376	2.59378	0.02232		0.29253				
3	0.6343	-1.6246					1.09265	-1.0311	-0.2585
3	0.6319	-3.5489			0.36164		1.34639	-1.0871	
3	0.5894	0.79148			0.17384			-0.7511	-0.2738
3	0.5837	1.19812	0.08863					-0.7439	-0.4075
3	0.5829	-2.4324	-0.1309				1.3293	-1.0638	
3	0.5816	0.15672				-0.7802	1.81032	-0.9348	
3	0.5815	0.37573				0.17303		-0.799	-0.3437
3	0.5809	3.16309		-0.9447				-0.7376	-0.3463
3	0.5721	3.36954		-3.3842			1.54129	-1.0667	
3	0.5597	21.3816		-11.068	0.49829			-0.6237	
3	0.5438	0.03075	-0.0845		0.36718			-0.7289	
3	0.5431	-2.1821			0.43357	0.35006		-0.8284	
3	0.5158	17.2264	-0.283	-8.0749				-0.6452	
3	0.5051	1.17802	-0.2582			0.00957		-0.7203	
3	0.4828	13.7453				-2.7082	0.9983		-0.2905
3	0.4691	45.8281		-19.586	0.53797	-1.3606			
3	0.4672	12.6309			0.37358	-2.9033	1.31896		
3	0.4667	30.1993		-9.9325		-1.6491			-0.3431
3	0.4568	14.2755	-0.2671			-2.9095	1.21877		

3	0.4541	11.6126			0.15259	-1.9016			-0.2917
3	0.4541	4.6407		-3.4177		0.49982		-0.7908	
3	0.4509	42.057	-0.3714	-16.13		-1.5644			
3	0.4488	12.1882	-0.0601			-1.9161			-0.3171
3	0.4389	38.6794		-13.861		-2.66	1.57995		
3	0.4202	11.2493	-0.2077		0.25975	-1.8994			
3	0.3286	59.9038		-29.407	0.54512		-0.4757		
3	0.3069	68.3235	-0.051	-33.963	0.47547				
3	0.3056	67.4042		-33.586	0.50766				-0.0102
3	0.2971	42.9919		-19.493			-0.7974		-0.3231
3	0.2828	55.0248	-0.3355	-25.744			-0.6453		
3	0.2502	60.87	-0.1539	-29.366					-0.1201
3	0.2217	5.73862			0.09592		-1.2386		-0.3279
3	0.2198	5.93526	0.04635				-1.2286		-0.3994
3	0.1673	4.74657	-0.1464		0.27575		-1.0914		
3	0.068	2.9687	0.20055		0.18495				-0.2658
4	0.6474	-2.383			0.21422		1.14109	-1.0488	-0.1638
4	0.6463	15.2513		-9.5368	0.41363		1.31124	-0.9929	
4	0.6441	-2.0484	0.16347				1.17963	-1.0483	-0.3622
4	0.6434	1.43426				-0.6945	1.338	-0.8857	-0.2539
4	0.6432	-0.1038			0.36114	-0.7745	1.61131	-0.9237	
4	0.635	-4.156	0.08371		0.42823		1.4472	-1.1077	
4	0.6347	1.18147		-1.4274			1.09505	-1.0177	-0.2566
4	0.5992	1.91849	-0.1554			-0.941	1.6107	-0.8584	
4	0.597	0.46311	0.14927		0.22634			-0.7474	-0.3527
4	0.5931	10.8113		-5.1696	0.23051			-0.7019	-0.2434
4	0.5902	-0.177			0.17451	0.18063		-0.8055	-0.2695
4	0.5884	9.12054	-0.1519	-5.7782			1.29075	-1.002	
4	0.586	-0.5755	0.11633			0.32542		-0.841	-0.4191
4	0.5841	7.74449		-3.8012		-0.7984	1.81383	-0.8941	
4	0.5839	-1.0842	0.09967	1.15175				-0.7548	-0.4164
4	0.5816	2.10905		-0.8727		0.17045		-0.7897	-0.3427
4	0.5643	22.3228	-0.0943	-11.337	0.41801			-0.6289	
4	0.5617	19.3569		-10.797	0.49139	0.28365		-0.7123	
4	0.5451	-1.3277	-0.0657		0.37876	0.24244		-0.801	
4	0.5403	49.4403		-19.98	0.47952	-2.4965	1.34621		
4	0.516	17.9189	-0.2878	-8.1988		-0.0821		-0.6198	
4	0.5096	45.032	-0.3039	-16.549		-2.5766	1.2471		
4	0.508	34.8044		-11.42		-2.4974	1.08448		-0.2695
4	0.4926	13.34			0.18519	-2.756	1.04503		-0.2088
4	0.4913	39.156		-15.289	0.32434	-1.5343			-0.1983
4	0.4886	46.7397	-0.1984	-19.33	0.37114	-1.4781			
4	0.4844	13.9406	-0.0651			-2.7353	1.00162		-0.2477
4	0.4765	13.3971	-0.14		0.26127	-2.8993	1.22124		
4	0.4747	34.9552	-0.1582	-12.278		-1.6507			-0.2364
4	0.4543	11.6892	-0.0201		0.14565	-1.9088			-0.2815
4	0.3365	55.0616		-26.497	0.4155		-0.6217		-0.1264
4	0.3364	60.253	-0.1282	-29.216	0.44121		-0.5657		
4	0.3073	69.3154	-0.0747	-34.5	0.49195				0.03357
4	0.3034	47.3993	-0.1412	-21.682			-0.789		-0.2268
4	0.2238	5.5061	0.08129		0.12504		-1.2135		-0.3677
5	0.6683	-3.3764	0.25374		0.309		1.29753	-1.0834	-0.2827

5	0.6591	19.809		-9.9952	0.4156	-0.8214	1.59054	-0.815	
5	0.6573	0.78313			0.22064	-0.724	1.39832	-0.8978	-0.1561
5	0.6536	10.6482		-6.764	0.28938		1.16948	-0.9919	-0.1213
5	0.649	0.3896	0.12888			-0.5331	1.34958	-0.933	-0.3367
5	0.6485	14.1571	0.06978	-9.2384	0.46751		1.39637	-1.013	
5	0.6449	-6.9907	0.18781	2.4819			1.1884	-1.074	-0.381
5	0.6444	-0.7248	0.05214		0.40266	-0.7198	1.65542	-0.948	
5	0.644	5.08428		-1.835		-0.7041	1.3445	-0.8665	-0.2514
5	0.6066	15.7264	-0.1816	-6.7685		-1.0005	1.58333	-0.7731	
5	0.601	-1.9494	0.19044		0.24242	0.43305		-0.8768	-0.3641
5	0.598	5.97949	0.12856	-2.8226	0.25			-0.721	-0.3251
5	0.5938	9.76628		-5.095	0.23032	0.16795		-0.7532	-0.2398
5	0.5866	-5.0577	0.14022	2.15822		0.36312		-0.8727	-0.4371
5	0.5648	21.1695	-0.0829	-11.165	0.42419	0.14559		-0.6738	
5	0.5481	49.7894	-0.1286	-19.787	0.37534	-2.4967	1.2562		
5	0.5437	46.3513		-18.15	0.395	-2.4752	1.23493		-0.0829
5	0.5181	40.2913	-0.1784	-14.105		-2.5221	1.11383		-0.1473
5	0.495	41.7829	-0.1097	-16.515	0.30012	-1.544			-0.1352
5	0.4927	13.4	-0.0159		0.17966	-2.7613	1.04444		-0.2008
5	0.3385	57.0528	-0.0798	-27.444	0.39836		-0.6241		-0.0801
6	0.6719	-1.2521	0.22177		0.30111	-0.4571	1.44025	-0.9837	-0.2629
6	0.6691	1.83133	0.23412	-2.6632	0.33126		1.29662	-1.0583	-0.2568
6	0.6649	15.429		-7.4872	0.30428	-0.7746	1.44772	-0.8243	-0.1085
6	0.6596	19.0636	0.03448	-9.8271	0.44214	-0.7845	1.62006	-0.8329	
6	0.6492	-2.2025	0.14265	1.24701		-0.5093	1.3464	-0.9511	-0.3473
6	0.6014	1.7004	0.17487	-1.7959	0.25655	0.40795		-0.8526	-0.3459
6	0.5482	49.3098	-0.1211	-19.527	0.36882	-2.4935	1.24488		-0.0123
7	0.6736	6.81271	0.18785	-3.9637	0.33308	-0.5247	1.45999	-0.9316	-0.2214

LAG 2

Number	RSquare	Intercept	LFEF_2	LPH_2	LSULF_2	LDOC_2	LTKNF_2	LTPF_2	LSO4F_2
In Model									
1	0.3636	8.82242				-1.2369			
1	0.2081	2.43265						-0.3327	
1	0.2036	2.53454	0.42748						
1	0.2016	2.51721							0.43596
1	0.1356	4.81316					-0.7721		
1	0.0791	-25.482		15.0767					
1	0.0003	3.61413			0.03646				
2	0.4423	7.30541				-1.0553			0.28568
2	0.4298	7.3098	0.26015			-1.0407			
2	0.4175	10.4669				-1.9383	0.8665		
2	0.403	1.38421	0.42517						0.43357
2	0.385	-7.0736		8.06559		-1.1658			
2	0.3778	11.1644				-1.647		0.16988	
2	0.3643	8.93655			-0.0536	-1.241			
2	0.3359	1.72788	0.34759					-0.2722	
2	0.3093	-31.392	0.4565	17.4999					
2	0.2847	2.00454						-0.2341	0.29916
2	0.2739	3.54757	0.36351				-0.5735		
2	0.2498	3.4658					-0.4945		0.35241
2	0.246	-18.062		10.6516				-0.304	
2	0.2225	-13.182		8.18248					0.38828
2	0.2119	2.19308			0.12354			-0.337	
2	0.2102	2.78101					-0.1432	-0.2959	
2	0.2076	2.20949			0.15555				0.44578
2	0.2039	2.58986	0.42865		-0.0323				
2	0.1791	-17.438		11.4324			-0.6781		
2	0.1379	5.01409			-0.0965		-0.79		
2	0.0922	-29.918		17.1451	0.24089				
3	0.5323	9.12204				-1.9404	1.14659		0.35335
3	0.5266	5.41311	0.29528			-0.8117			0.31872
3	0.5	11.8535				-1.8803		0.36735	0.3829
3	0.4751	8.91903	0.2433			-1.698	0.79634		
3	0.4695	-14.943	0.29924	11.1757		-0.9128			
3	0.4476	-0.8035		4.17096		-1.0319			0.26471
3	0.4426	7.20982			0.03733	-1.0505			0.28872
3	0.4415	-6.3247		8.54018		-1.88	0.88746		
3	0.4395	-19.497	0.44351	10.8577					0.3702
3	0.4365	8.99778	0.24753			-1.333		0.11712	
3	0.4363	1.16764	0.38078					-0.1529	0.34447
3	0.4315	7.47043	0.26235		-0.0815	-1.0453			
3	0.4268	12.2936				-2.2405	0.8296	0.13759	
3	0.4179	10.4056			0.04368	-1.9484	0.8832		
3	0.4141	1.92806	0.39797				-0.2458		0.3922
3	0.4049	1.22231	0.42203		0.08605				0.43902
3	0.3993	-4.7422		8.07252		-1.5764		0.1701	
3	0.398	-24.855	0.38315	13.7782				-0.2289	
3	0.3857	-8.2239		8.58998	0.05489	-1.157			



3	0.3823	11.8925			-0.1412	-1.7327		0.20089	
3	0.3462	-25.635	0.40442	14.9208			-0.4285		
3	0.3365	1.63208	0.34506		0.05205			-0.2745	
3	0.3359	1.74764	0.34729				-0.0079	-0.2703	
3	0.3176	-34.873	0.45227	19.1257	0.19197				
3	0.3005	-11.648		7.12335				-0.2272	0.26165
3	0.2927	1.64134			0.18022			-0.2371	0.30876
3	0.2855	2.21756					-0.0864	-0.2125	0.29717
3	0.2775	3.79527	0.36551		-0.1223		-0.5951		
3	0.2648	-9.9244		6.94977			-0.4654		0.31684
3	0.2624	-22.956		12.923	0.26993			-0.3072	
3	0.2505	3.33789			0.05119		-0.4807		0.35799
3	0.2468	-17.576		10.5067			-0.0854	-0.2824	
3	0.2383	-17.942		10.39	0.26511				0.39216
3	0.2125	2.43625			0.10362		-0.0841	-0.3146	
3	0.1802	-18.953		12.1361	0.07019		-0.6593		
4	0.6074	7.24051	0.27914			-1.6649	1.08811		0.38113
4	0.5866	13.4987				-2.7237	1.12473	0.3563	0.44636
4	0.5694	9.52217	0.26991			-1.5485		0.31876	0.40024
4	0.5418	-8.6471	0.31663	7.16168		-0.7538			0.2851
4	0.5416	8.75605			0.20133	-1.9874	1.24096		0.37531
4	0.5366	1.80223		3.76014		-1.9146	1.14055		0.33409
4	0.5267	5.37441	0.29499		0.01584	-0.8099			0.31997
4	0.5167	-13.829	0.28298	11.4413		-1.5808	0.81298		
4	0.5024	12.3813			-0.1034	-1.9413		0.38861	0.38011
4	0.5021	6.55334		2.67561		-1.8474		0.35941	0.36735
4	0.479	10.1703	0.23407			-1.9045	0.77491	0.08982	
4	0.4752	-13.129	0.28707	11.0536		-1.1862		0.10899	
4	0.4751	8.90882	0.24299		0.00867	-1.7003	0.79975		
4	0.4704	-16.283	0.29966	11.786	0.06343	-0.9023			
4	0.4667	-17.963	0.40167	9.95795				-0.1389	0.29452
4	0.4507	-4.478		8.52609		-2.1811	0.85068	0.137	
4	0.45	-23.315	0.43862	12.631	0.21651				0.37357
4	0.4495	-2.6987		5.0216	0.09428	-1.015			0.26811
4	0.4484	-10.092		10.3259	0.18278	-1.9104	0.96172		
4	0.4458	-17.869	0.42163	10.2274			-0.1881		0.34222
4	0.4412	9.74028	0.24803		-0.1449	-1.4202		0.14882	
4	0.4393	0.95688	0.37594		0.10985			-0.1558	0.34975
4	0.4368	0.98224	0.38373				0.07258	-0.1704	0.34649
4	0.4269	12.4129			-0.0262	-2.2481	0.8179	0.1438	
4	0.4145	1.83175	0.3977		0.03896		-0.2354		0.39642
4	0.4091	-28.774	0.37703	15.5973	0.22211			-0.2327	
4	0.3995	-3.9528		7.75808	-0.033	-1.5991		0.17733	
4	0.3987	-25.4	0.3868	13.9509			0.08426	-0.2495	
4	0.348	-27.658	0.40548	15.8593	0.0927		-0.403		
4	0.3366	1.56034	0.34571		0.05771		0.02444	-0.2808	
4	0.318	-16.639		9.43432	0.27893			-0.2297	0.26433
4	0.3008	-11.357		7.04187			-0.0546	-0.2137	0.26082
4	0.2928	1.57678			0.18553		0.02184	-0.2426	0.30955
4	0.2696	-12.999		8.34728	0.15279		-0.4181		0.32633
4	0.2633	-24.043		13.3324	0.29835		0.10038	-0.3329	
5	0.6482	11.2256	0.2546			-2.3728	1.07418	0.31096	0.45986

5	0.6204	-5.7597	0.29906	6.60915		-1.6	1.07332		0.34926
5	0.6142	6.95741	0.27478		0.17188	-1.7093	1.16959		0.39944
5	0.5882	8.91193		2.31304		-2.6928	1.12144	0.34946	0.43273
5	0.5875	13.2071			0.06625	-2.7085	1.15664	0.34236	0.44994
5	0.5787	-1.8337	0.28836	5.65215		-1.4564		0.29865	0.36857
5	0.5719	10.0596	0.27012		-0.1056	-1.6105		0.34044	0.3974
5	0.552	-3.4367		6.19468	0.27482	-1.9621	1.26546		0.3516
5	0.5443	-10.809	0.31757	8.13053	0.1064	-0.734			0.289
5	0.5235	-17.549	0.2827	13.2053	0.18083	-1.6111	0.88652		
5	0.5198	-12.511	0.27434	11.3445		-1.7675	0.79355	0.08082	
5	0.5033	8.49475		1.8964	-0.0779	-1.903		0.37774	0.36978
5	0.4793	10.3398	0.2345		-0.0381	-1.9148	0.75781	0.09877	
5	0.4785	-21.979	0.39544	11.8185	0.22986			-0.1423	0.29622
5	0.4753	-13.384	0.2874	11.1547	0.01024	-1.1787		0.10667	
5	0.4683	-18.737	0.40738	10.1897			0.12836	-0.1695	0.29693
5	0.4534	-7.3873		9.72259	0.12216	-2.1376	0.9081	0.10797	
5	0.4527	-21.607	0.42429	11.9246	0.18328		-0.1296		0.35377
5	0.4414	0.48347	0.38069		0.14725		0.15724	-0.1946	0.35592
5	0.4151	-31.837	0.38662	16.7634	0.29712		0.26924	-0.2998	
5	0.3198	-18.153		9.99351	0.32022		0.14554	-0.2662	0.26694
6	0.6558	0.89309	0.27151	5.13439		-2.2809	1.0635	0.29277	0.4305
6	0.6488	10.9835	0.2541		0.05602	-2.3606	1.10125	0.29927	0.46287
6	0.636	-11.046	0.29945	9.06468	0.27676	-1.6474	1.19903		0.36691
6	0.5906	6.15338		3.44828	0.11525	-2.6513	1.17533	0.32186	0.43227
6	0.579	-0.9363	0.28726	5.29346	-0.0347	-1.4826		0.30705	0.36964
6	0.5242	-16.358	0.27817	12.9201	0.15685	-1.7059	0.86649	0.04277	
6	0.4875	-25.572	0.40762	13.1586	0.32189		0.32968	-0.2223	0.3031
7	0.6599	-2.7958	0.27517	6.64605	0.1496	-2.2214	1.13268	0.25617	0.42988

LAG 3

Number	RSquare	Intercept	LFEF_3	LPH_3	LSULF_3	LDOC_3	LTKNF_3	LTPF_3	LSO4F_3
In Model									
1	0.5799	0.23196						-0.7328	
1	0.5164	11.9898				-2.1577			
1	0.3446	72.0643		-35.771					
1	0.2591	5.0168					-1.3948		
1	0.1005	1.95757							0.31717
1	0.0912	3.64565			-0.4513				
1	0.0004	2.85597	0.01912						
2	0.6265	30.7133		-15.521				-0.6028	
2	0.6095	50.038		-20.643		-1.7158			
2	0.6004	0.69709			-0.219			-0.7028	
2	0.5966	-0.0522						-0.7005	0.13363
2	0.5939	-1.0331					0.50705	-0.8696	
2	0.5896	3.53714				-0.6305		-0.5544	
2	0.5804	0.29338	-0.0218					-0.7339	
2	0.5628	14.8444				-3.2523	1.16047		
2	0.5478	13.161	-0.1866			-2.3032			
2	0.5298	11.8793			-0.1793	-2.0623			
2	0.5276	11.2333				-2.0575			0.11116
2	0.4297	57.7175		-27.664			-0.8786		
2	0.429	69.6247		-34.962					0.29098
2	0.3687	67.5514		-33.235	-0.2402				
2	0.3447	72.0155	0.01042	-35.762					
2	0.3083	6.20249	-0.2498				-1.6847		
2	0.2812	5.19221			-0.2343		-1.2591		
2	0.2713	4.43246					-1.252		0.12245
2	0.2197	2.3554	-0.5434						0.72557
2	0.1647	5.4526	-0.3868		-0.8506				
2	0.1114	2.65886			-0.2273				0.20681
3	0.674	11.9799	-0.603			-2.1252			0.55756
3	0.6689	56.0047		-22.122		-2.9272	1.31777		
3	0.6512	14.7121	-0.5005		-0.6796	-2.1862			
3	0.65	32.7106		-16.711				-0.5542	0.15944
3	0.6413	29.6522		-15.642			0.51986	-0.742	
3	0.6403	36.0804		-16.243		-0.7535		-0.3835	
3	0.6401	6.2792				-1.7301	1.21099	-0.57	
3	0.6379	28.3654		-14.146	-0.1659			-0.5916	
3	0.6339	0.30202	-0.3116					-0.6565	0.37934
3	0.6306	1.96733	-0.2504		-0.4854			-0.6789	
3	0.6299	48.9235	-0.1516	-19.523		-1.858			
3	0.629	-2.2863					0.83125	-0.9064	0.20895
3	0.6282	50.7502		-21.562		-1.5661			0.1442
3	0.6268	30.7245	-0.0184	-15.501				-0.6039	
3	0.6254	-0.915			-0.2799		0.69797	-0.8828	
3	0.6139	48.5904		-19.893	-0.1038	-1.6766			
3	0.6061	3.22771			-0.1993	-0.4908		-0.5667	
3	0.6026	2.61759				-0.5037		-0.5613	0.11966
3	0.6019	0.44653			-0.1586			-0.6972	0.05748

3	0.5997	14.318				-3.417	1.54008		0.21456
3	0.598	-1.7903	0.08224				0.71779	-0.9223	
3	0.5954	5.10818	-0.087			-0.8836		-0.4872	
3	0.5874	15.071			-0.2472	-3.2661	1.31451		
3	0.5721	14.964	-0.1118			-3.1164	0.92396		
3	0.5363	68.7888	-0.5157	-34.335					0.67897
3	0.531	11.5639			-0.1263	-2.0444			0.05115
3	0.463	8.67104	-0.6396		-0.8256		-1.6586		
3	0.4616	60.4407		-29.595			-0.609		0.20028
3	0.4535	5.4002	-0.6827				-1.4887		0.59872
3	0.4499	54.7954	-0.1635	-25.723			-1.1045		
3	0.4375	56.1322		-26.776	-0.141		-0.8135		
3	0.4368	72.6346		-36.842	0.2037				0.38849
3	0.3904	64.0824	-0.217	-30.904	-0.4789				
3	0.2813	5.09529			-0.217		-1.2486		0.0176
3	0.274	4.10621	-0.6729		-0.5366				0.56229
4	0.7603	48.6175	-0.5739	-20.011		-1.6659			0.56671
4	0.7262	59.577		-24.398		-3.1011	1.81201		0.27021
4	0.7122	13.2935	-0.7108		-0.4508	-2.0905			0.42314
4	0.7057	14.0027	-0.5302			-3.0482	1.05493		0.57447
4	0.6999	42.0037		-17.707		-1.9636	1.32051	-0.3851	
4	0.6981	36.4765	-0.3559	-18.426				-0.489	0.44268
4	0.6876	31.914		-17.534			0.89683	-0.7692	0.24197
4	0.6873	39.5347	-0.41	-13.728	-0.537	-1.8977			
4	0.6819	5.44177				-1.8564	1.61713	-0.5884	0.22864
4	0.6806	54.0454		-20.984	-0.1728	-2.9535	1.41738		
4	0.6791	9.17978	-0.5268			-1.6286		-0.1763	0.50384
4	0.6707	55.1439	-0.0499	-21.631		-2.8737	1.20868		
4	0.6697	6.2445			-0.2714	-1.6948	1.38176	-0.5888	
4	0.6652	9.89219	-0.4028		-0.5917	-1.387		-0.2795	
4	0.663	15.897	-0.4316		-0.6442	-2.7631	0.64855		
4	0.6611	26.1451		-13.805	-0.2258		0.6724	-0.7676	
4	0.6588	36.8433		-17.173		-0.6087		-0.382	0.14326
4	0.6568	25.3346	-0.2022	-12.072	-0.3888			-0.5885	
4	0.6566	1.50669	-0.4032		-0.3499			-0.6364	0.28349
4	0.6501	33.247		-17.027	0.02629			-0.552	0.17255
4	0.6478	33.3982		-15.01	-0.1366	-0.6484		-0.4049	
4	0.647	38.0928	-0.094	-16.401		-1.028		-0.3093	
4	0.6463	29.1211	0.09087	-15.797			0.75286	-0.799	
4	0.6418	-1.1258	-0.218				0.49163	-0.7915	0.35003
4	0.6412	5.72155	0.04254			-1.6908	1.30404	-0.604	
4	0.6344	0.78178	-0.177		-0.438		0.35219	-0.7767	
4	0.6335	-1.8009			-0.1453		0.82062	-0.9008	0.13823
4	0.6307	52.6423		-22.76	0.11558	-1.5509			0.20097
4	0.6072	2.92779			-0.148	-0.4744		-0.5664	0.04938
4	0.6026	55.2478	-0.6052	-26.398			-0.8883		0.61405
4	0.6008	14.4711			-0.0721	-3.3938	1.52227		0.1791
4	0.5373	67.5593	-0.5358	-33.563	-0.081				0.65538
4	0.523	42.2539	-0.4788	-18.112	-0.6138		-1.2568		
4	0.5204	7.43191	-0.8306		-0.5966		-1.5305		0.41364
4	0.4654	63.0346		-31.196	0.14238		-0.5765		0.27328
5	0.8112	55.5686	-0.4771	-22.39		-2.7952	1.35307		0.58949

5	0.7688	44.6462	-0.6325	-17.477	-0.2293	-1.7064			0.49717
5	0.7622	52.5999	-0.6216	-21.195		-1.9606		0.11426	0.60207
5	0.7569	45.6477		-20.002		-2.1426	1.81314	-0.3828	0.26934
5	0.7357	63.6973		-26.879	0.22679	-3.1419	1.89569		0.38741
5	0.7326	14.759	-0.6357		-0.3858	-2.8507	0.86308		0.45636
5	0.7192	9.61724	-0.3907			-2.3596	1.22133	-0.2962	0.48689
5	0.7167	38.4618		-15.965	-0.2078	-1.9136	1.44048	-0.4177	
5	0.7134	11.8707	-0.6696		-0.4353	-1.8474		-0.0867	0.40132
5	0.7108	45.7192	-0.2939	-16.198	-0.4601	-2.6823	0.94046		
5	0.706	35.0486	-0.2622	-18.426			0.49161	-0.624	0.41336
5	0.7025	33.5134	-0.3948	-16.626	-0.1655			-0.4958	0.39117
5	0.7013	41.4609	0.04684	-17.742		-1.9208	1.42318	-0.4222	
5	0.6927	33.9961	-0.3563	-12.375	-0.4948	-1.4135		-0.1793	
5	0.6883	9.6229	-0.26		-0.5027	-1.9046	0.95865	-0.3966	
5	0.6882	32.9999		-18.183	0.0535		0.90318	-0.7662	0.26923
5	0.6837	5.5959			-0.0922	-1.8193	1.5947	-0.5911	0.18334
5	0.6637	25.2967	-0.0987	-12.89	-0.3176		0.48137	-0.7161	
5	0.6592	37.9132		-17.761	0.04808	-0.6218		-0.3743	0.16689
5	0.6589	0.59203	-0.342		-0.3164		0.27521	-0.7139	0.27626
5	0.6131	49.8312	-0.68	-23.057	-0.2621		-0.9827		0.5308
6	0.8122	53.8734	-0.5018	-21.391	-0.0819	-2.7646	1.29905		0.56376
6	0.8112	55.4825	-0.4759	-22.365		-2.7894	1.35422	-0.0026	0.58869
6	0.7711	49.0269	-0.6881	-18.737	-0.2364	-2.0408		0.1292	0.53501
6	0.7615	49.5207		-22.063	0.16109	-2.2368	1.8725	-0.3568	0.35265
6	0.7387	11.6329	-0.5264		-0.3388	-2.3983	1.00156	-0.2049	0.41014
6	0.725	37.7232	-0.1779	-14.453	-0.372	-2.0364	1.14546	-0.3024	
6	0.7077	33.3361	-0.3015	-17.256	-0.1076		0.41805	-0.6083	0.38427
7	0.8122	54.1063	-0.5055	-21.454	-0.0827	-2.7813	1.29514	0.00769	0.56581

LAG 4

Number	RSquare	Intercept	LFEF_4	LPH_4	LSULF_4	LDOC_4	LTKNF_4	LTPF_4	LSO4F_4
In Model									
1	0.4234	10.7776					-1.8672		
1	0.3368	0.95376						-0.5526	
1	0.145	4.49996					-0.9801		
1	0.0556	2.52146	0.2085						
1	0.0033	3.25581			-0.0807				
1	0.0001	3.10839							0.00683
1	0.0001	3.78024		-0.3372					
2	0.5449	15.2055				-3.547	1.75373		
2	0.4543	11.8455				-2.0102			-0.1591
2	0.4276	10.3941	0.05936			-1.8158			
2	0.4253	9.5949				-1.6568		-0.0815	
2	0.425	10.7585			0.05846	-1.885			
2	0.4238	12.5185		-0.8992		-1.8683			
2	0.3643	-0.978					0.74524	-0.7786	
2	0.3601	1.21285						-0.5928	-0.1376
2	0.3593	0.64891	0.13406					-0.5308	
2	0.3421	7.15206		-3.2256				-0.5603	
2	0.3369	0.93801			0.00848			-0.5533	
2	0.171	5.22503					-1.1655		-0.1537
2	0.1614	4.01004	0.11864				-0.8771		
2	0.1491	10.0986		-2.8814			-1.0048		
2	0.1454	4.4682			0.03017		-0.9913		
2	0.0903	2.76095	0.34546						-0.2106
2	0.0715	1.87809	0.30323		0.23383				
2	0.0559	1.03398	0.21011	0.76787					
2	0.0045	3.43575			-0.12				-0.039
2	0.0033	3.48893		-0.121	-0.0803				
2	0.0002	3.98919		-0.4599					0.0092
3	0.5713	11.2965				-2.99	2.02618	-0.3167	
3	0.558	14.7253	0.10638			-3.5335	1.83573		
3	0.5499	9.15239		3.2492		-3.6332	1.848		
3	0.5481	15.3019				-3.4932	1.64613		-0.0548
3	0.545	15.2311			-0.0156	-3.55	1.76186		
3	0.5018	11.2359	0.25255			-1.9283			-0.3113
3	0.4614	12.2857			-0.1512	-2.0165			-0.2173
3	0.4602	0.82025	0.36401					-0.6011	-0.3688
3	0.4575	10.361				-1.745		-0.1039	-0.1625
3	0.4551	9.43364		1.26963		-2.0148			-0.166
3	0.439	9.80484	0.14056		0.1984	-1.8058			
3	0.4306	8.85299	0.06731			-1.5439		-0.1026	
3	0.4277	11.5239	0.05799	-0.5789		-1.8177			
3	0.4269	9.61763			0.05609	-1.6811		-0.0787	
3	0.4261	11.9668		-1.2994		-1.6328		-0.0914	
3	0.4256	12.8303		-1.0706	0.06157	-1.8873			
3	0.409	-2.2275	0.19866				1.05301	-0.8396	
3	0.3772	-0.0405	0.23438		0.24824			-0.5326	
3	0.3747	-0.3614					0.57847	-0.7566	-0.0979

3	0.3727	1.73976			-0.203			-0.6013	-0.2172
3	0.3675	3.92796		-2.5191			0.72006	-0.777	
3	0.3651	-0.9695			-0.0406		0.77107	-0.7835	
3	0.3623	5.34239	0.128	-2.4353				-0.5376	
3	0.3614	4.41906		-1.6766				-0.5944	-0.1294
3	0.3423	7.22973		-3.2842	0.01889			-0.5619	
3	0.2486	4.82572	0.32088				-1.1233		-0.3498
3	0.1801	5.72906			-0.1724		-1.1841		-0.222
3	0.1784	3.35177	0.21628		0.24225		-0.8819		
3	0.1718	7.78763		-1.3343			-1.1692		-0.1473
3	0.1634	7.97655	0.11201	-2.0274			-0.9002		
3	0.1499	10.3566		-3.0369	0.04191		-1.0217		
3	0.1019	-7.4834	0.39454	5.32261					-0.269
3	0.0944	2.37754	0.37946		0.128				-0.1832
3	0.0717	0.64848	0.30431	0.63565	0.2332				
3	0.0046	2.29247		0.60808	-0.1279				-0.0451
4	0.5947	9.838	0.14511			-2.8571	2.19404	-0.3818	
4	0.5833	14.5577	0.2188			-3.3296	1.5432		-0.1932
4	0.5741	6.87503		2.45038		-3.0755	2.08728	-0.3051	
4	0.5737	11.4377				-2.9521	1.92959	-0.312	-0.0472
4	0.5719	11.301			-0.0374	-2.9892	2.04962	-0.3213	
4	0.5662	6.88315	0.11965	4.17739		-3.6426	1.96716		
4	0.5643	14.2129	0.16616		0.14799	-3.4971	1.80482		
4	0.5551	8.05286		3.90636		-3.581	1.72785		-0.071
4	0.5513	15.5416			-0.1021	-3.4728	1.61865		-0.0959
4	0.5503	8.96613		3.37548	-0.0299	-3.6423	1.86721		
4	0.515	0.35315	0.30459	5.66276		-1.932			-0.3736
4	0.5148	8.0335	0.28666			-1.36		-0.2183	-0.3391
4	0.5019	11.1697	0.25759		0.01856	-1.9259			-0.3072
4	0.4866	-1.339	0.38802				0.78388	-0.8236	-0.3302
4	0.4675	-7.2919	0.40283	4.22001				-0.598	-0.4142
4	0.4656	10.5937			-0.1631	-1.7086		-0.1208	-0.2259
4	0.4648	6.9722		2.85399	-0.1883	-2.0285			-0.2472
4	0.4606	0.69789	0.37524		0.04247			-0.5996	-0.3593
4	0.4578	8.8246		0.85319		-1.7632		-0.0979	-0.167
4	0.443	7.98543	0.15366		0.20784	-1.4892		-0.1193	
4	0.4392	11.139	0.1392	-0.6846	0.19903	-1.8081			
4	0.4311	10.733	0.06545	-1.0187		-1.5282		-0.1098	
4	0.4279	12.2815		-1.4585	0.06	-1.6559		-0.0896	
4	0.4266	-2.9052	0.29812		0.24654		1.05043	-0.8406	
4	0.4095	-0.2542	0.19522	-1.0022			1.03767	-0.8379	
4	0.3869	0.17748			-0.2		0.57124	-0.7629	-0.1768
4	0.3805	4.9456	0.22904	-2.5911	0.25099			-0.5399	
4	0.3759	2.667		-1.5795			0.57557	-0.7573	-0.0903
4	0.3727	1.72924		0.0056	-0.2031			-0.6013	-0.2172
4	0.368	3.70635		-2.4019	-0.0311		0.741	-0.7808	
4	0.255	-2.8149	0.3577	3.95449			-1.1073		-0.3912
4	0.2492	4.66622	0.33404		0.04895		-1.1163		-0.3385
4	0.1807	7.62416	0.2101	-2.187	0.24465		-0.9069		
4	0.1801	5.52999		0.10573	-0.1737		-1.1839		-0.2231
4	0.1038	-6.8786	0.41359	4.87249	0.08731				-0.2453
5	0.627	9.17406	0.27653			-2.56	1.89655	-0.4188	-0.2195

5	0.6091	-0.5352	0.28943	8.00378		-3.4567	1.67741		-0.2709
5	0.6029	9.12169	0.21435		0.16885	-2.7974	2.16842	-0.3921	
5	0.6003	3.45403	0.15495	3.48318		-2.9695	2.29227	-0.3697	
5	0.5839	14.3992	0.23186		0.04859	-3.3295	1.55013		-0.182
5	0.5784	11.6028			-0.1252	-2.909	1.90534	-0.3223	-0.0973
5	0.5778	6.00994		3.02942		-3.0473	1.97873	-0.2963	-0.06
5	0.5752	6.53974		2.63939	-0.0478	-3.081	2.12192	-0.31	
5	0.5719	6.69211	0.17598	4.01962	0.1407	-3.6039	1.93281		
5	0.5628	5.86762		5.29659	-0.1681	-3.5786	1.71169		-0.1443
5	0.5259	-1.6987	0.33166	5.20174		-1.4104		-0.2002	-0.394
5	0.5152	0.15749	0.29772	5.82147	-0.0306	-1.9361			-0.3821
5	0.5149	7.96165	0.29205		0.01973	-1.3572		-0.2184	-0.3347
5	0.496	-10.661	0.43321	4.80242			0.8166	-0.8294	-0.3803
5	0.4877	-1.5642	0.40605		0.06674		0.79584	-0.8247	-0.3147
5	0.468	6.2384		2.44268	-0.1935	-1.7539		-0.1071	-0.2505
5	0.4675	-7.2377	0.40453	4.18013	0.00783			-0.5978	-0.412
5	0.4437	10.1972	0.15221	-1.2025	0.20963	-1.4702		-0.1279	
5	0.4273	-0.6187	0.29465	-1.1629	0.2478		1.03261	-0.8387	
5	0.3869	0.01542		0.08608	-0.2012		0.57136	-0.7629	-0.1776
5	0.2551	-2.7031	0.36157	3.86725	0.01743		-1.1051		-0.3862
6	0.6497	-4.8595	0.34111	7.53758		-2.7055	2.01111	-0.4047	-0.2917
6	0.6278	8.96946	0.29223		0.05773	-2.5576	1.90585	-0.42	-0.2061
6	0.6091	-0.6456	0.28554	8.09233	-0.0174	-3.4581	1.67642		-0.2758
6	0.6078	3.13553	0.22093	3.28136	0.16227	-2.9056	2.26195	-0.3802	
6	0.5866	3.62099		4.49519	-0.1799	-3.0315	1.96768	-0.3037	-0.1383
6	0.526	-1.8553	0.32586	5.33494	-0.0255	-1.4153		-0.1996	-0.401
6	0.4962	-10.478	0.43965	4.65815	0.02889		0.82079	-0.8296	-0.3721
7	0.6498	-4.8849	0.34015	7.55921	-0.0042	-2.7061	2.01076	-0.4046	-0.2929



LAG 5

Number	RSquare	Intercept	LFEF_5	LPH_5	LSULF_5	LDOC_5	LTKNF_5	LTPF_5	LSO4F_5
In Model									
1	0.6386	12.2524				-2.1597			
1	0.5337	1.02374						-0.563	
1	0.3708	5.19402					-1.3894		
1	0.1441	-55.647		30.324					
1	0.0298	2.34449							0.28323
1	0.0176	3.52504	-0.2305						
1	0.0009	2.83516			0.08697				
2	0.7679	-74.646		39.0242				-0.6144	
2	0.7462	-38.796		26.2616		-2.1016			
2	0.6445	10.2973				-1.8004		-0.1183	
2	0.6438	12.7887			-0.2113	-2.1848			
2	0.64	12.3448	-0.0647			-2.1476			
2	0.6397	12.0576				-2.144			0.05419
2	0.6387	12.3521				-2.1986	0.04259		
2	0.573	1.60361						-0.6455	-0.3698
2	0.5481	0.41275	0.2219					-0.5961	
2	0.5431	1.83826					-0.3312	-0.4796	
2	0.5341	0.90982			0.05649			-0.5628	
2	0.4717	-44.272		25.5099			-1.3131		
2	0.3947	6.31366			-0.4682		-1.4971		
2	0.3859	5.66317	-0.2138				-1.385		
2	0.3732	5.46349					-1.4322		-0.0859
2	0.2528	-78.719	-0.6359	42.9836					
2	0.1886	-59.692		31.9913					0.34794
2	0.1474	-57.359		31.3884	-0.1706				
2	0.0409	2.82716	-0.1862						0.25431
2	0.0311	2.1231			0.10636				0.28555
2	0.0182	3.37027	-0.2291		0.07465				
3	0.8002	-73.037		38.4659				-0.6886	-0.3356
3	0.7951	-59.383		33.7056		-0.9611		-0.37	
3	0.788	-54.046	-0.3998	34.4004		-2.009			
3	0.7769	-77.58		40.8298	-0.2815			-0.6179	
3	0.7758	-80.486	-0.1802	42.2918				-0.5919	
3	0.7712	-78.108		40.5474			0.20673	-0.6685	
3	0.7682	-42.877		28.94	-0.4437	-2.1484			
3	0.7511	-40.438		26.8897		-2.0663			0.11687
3	0.7478	-38.994		26.5367		-2.2327	0.14419		
3	0.6479	11.0349			-0.1745	-1.8753		-0.1005	
3	0.6455	10.3691				-1.8697	0.11593	-0.1304	
3	0.6453	12.8892	-0.0669		-0.2132	-2.1726			
3	0.645	9.96175				-1.7194		-0.1499	-0.0521
3	0.6446	12.6073			-0.2061	-2.1706			0.04685
3	0.6445	10.3157	-0.0022			-1.8028		-0.1174	
3	0.644	12.7189			-0.2215	-2.1486	-0.041		
3	0.6407	12.1688	-0.0576			-2.1356			0.04614
3	0.6403	12.2254				-2.2273	0.09616		0.07008
3	0.64	12.4055	-0.0631			-2.1725	0.02689		

3	0.5872	0.99644	0.21978					-0.678	-0.3685
3	0.5827	2.43242					-0.3361	-0.5612	-0.3712
3	0.5731	1.5478			0.02698			-0.6452	-0.3689
3	0.5565	-65.101	-0.5632	36.8885			-1.2674		
3	0.5513	1.03454	0.18029				-0.2062	-0.538	
3	0.5487	0.27484	0.22314		0.0667			-0.596	
3	0.5436	2.08213			-0.0752		-0.3687	-0.4705	
3	0.5222	-49.967		29.3048	-0.6955		-1.4618		
3	0.4717	-44.204		25.4818			-1.3153		-0.0042
3	0.411	6.82702	-0.2218		-0.4793		-1.4951		
3	0.4003	6.81828			-0.5049		-1.5717		-0.1328
3	0.391	6.10636	-0.2351				-1.4475		-0.1263
3	0.2809	-80.353	-0.5915	43.437					0.27916
3	0.2643	-83.095	-0.6671	45.6204	-0.3232				
3	0.1915	-61.282		32.9834	-0.1601				0.34645
3	0.042	2.6246	-0.1839		0.09451				0.25672
4	0.8193	-60.712	-0.4459	38.5605	-0.5339	-2.0546			
4	0.8131	-65.301	-0.2808	37.6891		-1.1616		-0.2839	
4	0.8108	-76.181		40.4118	-0.3056			-0.6942	-0.344
4	0.8101	-61.397		35.4359	-0.3694	-1.0766		-0.3452	
4	0.8078	-78.754	-0.1761	41.6629				-0.6661	-0.3338
4	0.8076	-63.215		35.6854		-1.163	0.42035	-0.4286	
4	0.8062	-64.863		35.6168		-0.5443		-0.5285	-0.2375
4	0.8031	-76.29		39.896			0.19364	-0.7387	-0.3335
4	0.7903	-54.786	-0.3896	34.6246		-1.9871			0.08043
4	0.7885	-54.003	-0.396	34.4668		-2.079	0.07602		
4	0.7875	-84.888	-0.2115	44.9449	-0.3252			-0.5919	
4	0.7774	-78.804		41.3166	-0.2531		0.0908	-0.6413	
4	0.7769	-81.951	-0.1601	42.8584			0.12646	-0.6274	
4	0.7723	-44.316		29.4721	-0.4363	-2.1152			0.10736
4	0.7682	-42.89		28.9336	-0.4475	-2.1348	-0.0154		
4	0.7561	-41.473		27.6651		-2.3012	0.27382		0.16392
4	0.6483	10.7496			-0.1696	-1.8093		-0.1259	-0.0411
4	0.648	11.0083			-0.1622	-1.8945	0.04106	-0.106	
4	0.648	11.1883	-0.017		-0.1776	-1.8947		-0.0931	
4	0.6458	12.7322	-0.0609		-0.2088	-2.1621			0.03824
4	0.6457	10.1264				-1.8038	0.0997	-0.1506	-0.0361
4	0.6456	12.7906	-0.0707		-0.2286	-2.1177	-0.0612		
4	0.6455	10.242	0.01602			-1.8575	0.12412	-0.1378	
4	0.6451	9.86602	0.00959			-1.7051		-0.1555	-0.0547
4	0.6446	12.6082			-0.2059	-2.1713	0.00086		0.047
4	0.6411	12.2877	-0.051			-2.2018	0.07538		0.05951
4	0.6275	-74.518	-0.6335	42.8515	-0.8325		-1.4396		
4	0.5905	1.64246	0.17665				-0.2137	-0.618	-0.3696
4	0.5873	0.91758	0.22048		0.03719			-0.6777	-0.3673
4	0.5839	2.80816			-0.1139		-0.393	-0.5482	-0.3752
4	0.5579	-64.343	-0.5719	36.6163			-1.3014		-0.067
4	0.5513	1.07867	0.1787		-0.0114		-0.213	-0.5361	
4	0.5233	-49.13		28.9856	-0.7093		-1.4953		-0.059
4	0.4207	7.57755	-0.2527		-0.5303		-1.5952		-0.1787
4	0.2912	-84.44	-0.6219	45.9121	-0.3047				0.27281
5	0.8358	-69.103	-0.3416	40.7161	-0.4624	-1.3495		-0.2342	

5	0.8212	-83.428	-0.2096	44.4911	-0.3488			-0.6682	-0.343
5	0.8207	-61.227	-0.4372	38.6916	-0.5276	-2.0365			0.06449
5	0.8206	-61.239	-0.456	38.7209	-0.5699	-1.931	-0.1376		
5	0.82	-67.391	-0.2404	38.6351		-1.2877	0.32268	-0.3412	
5	0.8199	-66.443		37.1489	-0.3527	-0.6807		-0.4948	-0.2227
5	0.8197	-68.929	-0.2481	38.7304		-0.8098		-0.4188	-0.1872
5	0.8155	-63.63		36.435	-0.2868	-1.1922	0.29434	-0.3917	
5	0.8141	-66.882		36.8499		-0.7964	0.34561	-0.5439	-0.1885
5	0.811	-77.026		40.747	-0.286		0.06226	-0.7099	-0.3428
5	0.8087	-80.086	-0.1579	42.1777			0.11446	-0.6981	-0.3328
5	0.7921	-54.964	-0.3774	34.8526		-2.1323	0.16633		0.11015
5	0.7877	-84.445	-0.224	44.8405	-0.3482		-0.0652	-0.5736	
5	0.7728	-44.458		29.5965	-0.4115	-2.1946	0.09578		0.12436
5	0.6483	10.7576			-0.1629	-1.8258	0.02376	-0.127	-0.0378
5	0.6483	10.8381	-0.0081		-0.1714	-1.8221		-0.121	-0.0389
5	0.6481	11.1141	-0.0111		-0.1666	-1.9037	0.03334	-0.1001	
5	0.6459	12.7067	-0.0637		-0.2171	-2.1365	-0.0303		0.03256
5	0.6458	9.91648	0.02262			-1.7783	0.10922	-0.1637	-0.0407
5	0.6338	-73.33	-0.6553	42.5431	-0.8708		-1.5203		-0.1434
5	0.5908	1.85069	0.16927		-0.0531		-0.2453	-0.6096	-0.3716
6	0.8403	-71.955	-0.3117	41.4519	-0.4425	-1.049		-0.3484	-0.1556
6	0.8363	-69.48	-0.3248	40.7951	-0.4299	-1.3752	0.09947	-0.2553	
6	0.8244	-70.044	-0.22	39.3399		-0.9764	0.26967	-0.4432	-0.1546
6	0.8225	-67.432		37.6595	-0.2948	-0.8141	0.21357	-0.5099	-0.1948
6	0.8217	-82.762	-0.2282	44.3337	-0.3831		-0.0968	-0.6414	-0.3448
6	0.8212	-61.444	-0.4463	38.7645	-0.5536	-1.958	-0.0928		0.04711
6	0.6483	10.8104	-0.0049		-0.1648	-1.8316	0.02081	-0.1239	-0.0368
7	0.8404	-72.053	-0.3044	41.4681	-0.4271	-1.0711	0.04924	-0.3554	-0.1508

LAG 6

Number	RSquare	Intercept	LF EF_6	LPH_6	LSULF_6	LDOC_6	LTKNF_6	LTPF_6	LSO4F_6
In Model									
1	0.3055	10.1625				-1.6366			
1	0.2329	1.7492						-0.4253	
1	0.2269	2.09636							0.46923
1	0.1159	4.63644					-0.8639		
1	0.0895	2.64491	0.28123						
1	0.083	4.11005			-0.4235				
1	0.0001	4.17534		-0.4055					
2	0.4235	8.0519				-1.3606			0.35072
2	0.3618	1.07774						-0.3363	0.36746
2	0.3537	12.7834				-2.6223	1.01177		
2	0.3503	9.19618	0.20165			-1.5326			
2	0.3492	10.3079			-0.3107	-1.5445			
2	0.3316	0.93058	0.29542					-0.4338	
2	0.3099	3.75281		3.3785		-1.6631			
2	0.3062	9.4694				-1.5104		-0.0443	
2	0.2868	2.42629			-0.3437			-0.4007	
2	0.2513	2.9197					-0.4366		0.39867
2	0.2358	-3.6032		2.76124				-0.4315	
2	0.2353	1.26303					0.1965	-0.4779	
2	0.2337	10.2109		-4.2234					0.48203
2	0.2269	2.08775	0.00979						0.46292
2	0.2269	2.11564			-0.0069				0.46647
2	0.1646	3.85698	0.21428				-0.7183		
2	0.1589	4.96868			-0.3154		-0.7236		
2	0.116	5.60591		-0.5023			-0.864		
2	0.1097	3.32544	0.18765		-0.2549				
2	0.0902	5.15358	0.28267	-1.302					
2	0.0831	3.1342		0.5065	-0.4244				
3	0.5636	11.9434				-3.0502	1.85794		0.50383
3	0.4276	13.8084			-0.4171	-2.8108	1.3321		
3	0.4236	8.10098			-0.017	-1.361			0.34388
3	0.4236	8.04461	0.00794			-1.3605			0.34561
3	0.4236	8.20723				-1.3891		0.01016	0.35132
3	0.4235	8.22599		-0.0929		-1.3596			0.35109
3	0.4235	12.2331	0.25752			-2.7466	1.27566		
3	0.3948	-0.9456					0.76843	-0.5258	0.4343
3	0.3738	-1.5692	0.38796				0.9067	-0.6791	
3	0.3733	0.8815	0.1323					-0.3627	0.27423
3	0.3672	1.59708		6.05753		-2.785	1.12988		
3	0.3624	1.19825			-0.0443			-0.3375	0.34931
3	0.3621	2.81078		-0.8974				-0.3334	0.37106
3	0.3621	9.62603	0.13103		-0.1954	-1.5111			
3	0.3604	6.27998	0.23438			-1.0135		-0.1764	
3	0.3595	10.9624				-2.3298	1.08944	-0.1293	
3	0.3549	3.00132		3.85246	-0.3156	-1.5733			
3	0.3527	4.46486	0.19776	2.50369		-1.5543			
3	0.35	9.55953			-0.3111	-1.4081		-0.0479	

3	0.3353	1.26033	0.2547		-0.1101				-0.4247	
3	0.333	-2.704	0.29348	1.87779					-0.4379	
3	0.3107	2.93076		3.42011		-1.5282			-0.0475	
3	0.2998	1.35134			-0.3896		0.471		-0.5235	
3	0.2911	-4.0321		3.33653	-0.3484				-0.4078	
3	0.2566	10.036		-3.7169			-0.4232			0.41209
3	0.2514	2.91041	0.01089				-0.4367			0.39163
3	0.2513	2.92938			-0.0035		-0.4365			0.39728
3	0.2393	-5.1722		3.26571			0.2389	-0.4966		
3	0.2339	10.3945		-4.3538	0.0239					0.49201
3	0.2337	10.1864	0.00524	-4.213						0.47862
3	0.2269	2.09429	0.00933		-0.0022					0.46234
3	0.1754	4.2938	0.14875		-0.1884			-0.679		
3	0.1652	6.10992	0.21562	-1.1698				-0.7178		
3	0.1589	4.59829		0.19211	-0.3158			-0.7234		
3	0.1098	4.20847	0.18887	-0.461	-0.2529					
4	0.5683	10.303				-2.7854	1.92593	-0.1166		0.5026
4	0.5668	6.4372		2.98915		-3.1235	1.90234			0.49557
4	0.5642	12.0804			-0.044	-3.0554	1.86261			0.4865
4	0.5636	11.9424	0.00097			-3.0501	1.85788			0.50321
4	0.4609	7.04185	0.33659			-1.9783	1.57088	-0.3565		
4	0.4487	-0.1526		7.59066	-0.4401	-3.025	1.49775			
4	0.447	13.126	0.16148		-0.2798	-2.8267	1.39215			
4	0.4366	11.5617			-0.4269	-2.4505	1.43649	-0.1612		
4	0.4348	2.03385	0.25346	5.52767		-2.8931	1.37928			
4	0.4236	8.23556			-0.0162	-1.386		0.00895		0.34473
4	0.4236	8.08945	0.00485		-0.0145	-1.3609				0.34174
4	0.4236	8.09333		0.00413	-0.017	-1.361				0.34386
4	0.4236	8.14266	0.00579			-1.3781		0.00628		0.34736
4	0.4236	8.18907	0.00785	-0.0771		-1.3597				0.34597
4	0.4236	8.41325		-0.1086		-1.3883		0.01033		0.35176
4	0.4233	-1.8547	0.21814				0.99079	-0.6242		0.29992
4	0.3963	-0.7856			-0.0719		0.78186	-0.5311		0.40604
4	0.3948	-1.1547		0.10699			0.76937	-0.5264		0.43395
4	0.3787	-8.6885	0.38926	3.60806			0.95593	-0.7005		
4	0.3778	-1.2345	0.34569		-0.1154		0.91061	-0.6707		
4	0.3745	-1.1059		6.40916		-2.4646	1.22432	-0.1458		
4	0.3734	0.81525	0.13704		0.02179			-0.363		0.27981
4	0.3734	1.57487	0.13146	-0.3584				-0.3614		0.27625
4	0.3682	7.21997	0.16878		-0.1635	-1.0988		-0.1413		
4	0.3658	3.6966	0.1217	3.15196	-0.2076	-1.5371				
4	0.3628	1.52735	0.2305	2.51351		-1.0348		-0.1766		
4	0.3625	2.46737		-0.6642	-0.0394			-0.3352		0.35399
4	0.3559	2.10793		3.89842	-0.3162	-1.4268		-0.0516		
4	0.3371	-2.9839	0.24952	2.20489	-0.118			-0.429		
4	0.3076	-7.642		4.5654	-0.4027		0.5395	-0.5512		
4	0.2568	10.2172		-3.8456	0.02359		-0.4232			0.42195
4	0.2567	10.0038	0.00685	-3.7031			-0.4234			0.40762
4	0.2514	2.90386	0.01136		0.00222		-0.4368			0.39221
4	0.234	10.3857	0.01137	-4.3628	0.02969					0.48703
4	0.1755	5.36341	0.15022	-0.5582	-0.1861			-0.6793		
5	0.5722	4.09174		3.30507		-2.8465	1.98012	-0.1253		0.49337

5	0.5698	9.73138	0.05299			-2.6985	1.94385	-0.1532	0.46783
5	0.5692	10.4106			-0.056	-2.7812	1.93463	-0.1213	0.4805
5	0.5682	5.88521		3.40565	-0.0691	-3.1418	1.91586		0.46718
5	0.5668	6.41855	0.004	2.99699		-3.1234	1.9022		0.49295
5	0.5642	12.1051	-0.0094		-0.0487	-3.0565	1.86372		0.49073
5	0.4753	8.35249	0.25094		-0.223	-2.1308	1.62963	-0.3153	
5	0.4752	-4.719	0.3354	6.25323		-2.1111	1.70078	-0.3718	
5	0.464	0.59275	0.14432	6.85376	-0.3152	-3.0185	1.53534		
5	0.4602	-3.6137		8.0785	-0.4528	-2.6277	1.62752	-0.1839	
5	0.4239	-4.4722	0.22263	1.32999			1.00695	-0.6333	0.29283
5	0.4236	8.21045	0.0021		-0.0152	-1.3822		0.00762	0.34368
5	0.4236	8.26362		-0.0149	-0.0161	-1.3859		0.00899	0.34484
5	0.4236	8.08982	0.00485	-0.0002	-0.0145	-1.3609			0.34175
5	0.4236	8.31849	0.0056	-0.0916		-1.3779		0.00655	0.34787
5	0.4235	-1.9461	0.22456		0.02907		0.9919	-0.6249	0.3074
5	0.3964	-1.9161		0.58377	-0.0765		0.7878	-0.5346	0.40235
5	0.3837	-9.0563	0.34182	3.98543	-0.1299		0.96548	-0.6932	
5	0.3735	1.74603	0.13665	-0.4866	0.02523			-0.3613	0.28344
5	0.3718	1.50444	0.15906	3.06066	-0.1759	-1.1313		-0.1388	
5	0.2569	10.207	0.0131	-3.8558	0.03026		-0.4235		0.41617
6	0.5743	3.24582		3.84271	-0.0856	-2.85	2.00224	-0.134	0.45807
6	0.5743	2.99169	0.06182	3.53561		-2.7495	2.0048	-0.1687	0.45216
6	0.5702	9.89606	0.04423		-0.0365	-2.7102	1.94656	-0.1503	0.45917
6	0.5683	5.89174	-0.0115	3.41872	-0.075	-3.1436	1.91743		0.47229
6	0.4943	-5.0788	0.23597	7.25195	-0.2583	-2.309	1.78959	-0.3266	
6	0.424	-4.3301	0.2268	1.22495	0.02052		1.00646	-0.6331	0.29867
6	0.4236	8.23676	0.0021	-0.0139	-0.0151	-1.3822		0.00765	0.34378
7	0.5753	2.61003	0.04703	3.89028	-0.0652	-2.7754	2.01576	-0.1649	0.43511

PORE WATER  
SPEARMAN  
CO-CORRELATION  
POOLED STATIONS

var1	var2	corr	n	pvalue	fishersz	sigmaz	l95	u95	
CAF	CLF	0.865382	148		0	1.314388	0.083045	0.81829	0.900934
CAF	DOC	0.846943	145		0	1.245237	0.083918	0.79348	0.887434
CAF	FEF	0.059483	114	0.529567	0.059554	0.094916	-0.12581	0.240768	
CAF	KF	-0.40036	126	3.40E-06	-0.42408	0.090167	-0.53762	-0.24243	
CAF	MGF	0.969024	148		0	2.076046	0.083045	0.95736	0.977535
CAF	NH3F	0.067909	143	0.420316	0.068013	0.084515	-0.09733	0.229502	
CAF	PH	0.002591	125	0.977125	0.002591	0.090536	-0.1731	0.17812	
CAF	PO4F	0.73049	121		0	0.929778	0.092057	0.634758	0.804137
CAF	SO4F	-0.14277	148	0.083439	-0.14376	0.083045	-0.29727	0.019011	
CAF	SULF	0.163302	143	0.051323	0.164777	0.084515	-0.00087	0.318905	
CAF	TKNF	0.723775	145		0	0.915527	0.083918	0.635773	0.793202
CAF	TPF	0.735364	133		0	0.940309	0.087706	0.646002	0.804843
CLF	DOC	0.832329	149		0	1.195671	0.082761	0.775292	0.875901
CLF	FEF	-0.05196	114	0.582997	-0.052	0.094916	-0.23364	0.133234	
CLF	KF	-0.47371	130	1.25E-08	-0.51484	0.088736	-0.59719	-0.3283	
CLF	MGF	0.860906	152		0	1.296835	0.081923	0.813153	0.897147
CLF	NH3F	0.066046	145	0.429949	0.066142	0.083918	-0.09802	0.226618	
CLF	PH	0.089888	129	0.311038	0.090131	0.089087	-0.08428	0.258725	
CLF	PO4F	0.690775	123		0	0.849437	0.091287	0.585318	0.77325
CLF	SO4F	-0.17507	152	0.030987	-0.17689	0.081923	-0.32521	-0.01632	
CLF	SULF	0.155095	147	0.060691	0.156357	0.083333	-0.00698	0.309227	
CLF	TKNF	0.725121	149		0	0.918362	0.082761	0.638804	0.793411
CLF	TPF	0.683554	137		0	0.835755	0.086387	0.582631	0.763716
DOC	FEF	0.052299	111	0.58566	0.052346	0.096225	-0.13542	0.23639	
DOC	KF	-0.32952	127	0.000155	-0.34229	0.089803	-0.47639	-0.16476	
DOC	MGF	0.844665	149		0	1.237233	0.082761	0.791346	0.885231
DOC	NH3F	0.154823	142	0.065807	0.156078	0.084819	-0.01017	0.311606	
DOC	PH	-0.06931	126	0.440614	-0.06942	0.090167	-0.24129	0.106898	
DOC	PO4F	0.67379	120		0	0.817652	0.09245	0.562477	0.761112
DOC	SO4F	-0.17617	149	0.031619	-0.17803	0.082761	-0.32769	-0.01582	
DOC	SULF	0.317635	144	0.000105	0.329014	0.084215	0.162499	0.457446	
DOC	TKNF	0.695798	146		0	0.859109	0.083624	0.601316	0.771091
DOC	TPF	0.678891	134		0	0.827053	0.08737	0.575566	0.760879
FEF	KF	0.000414	98	0.996768	0.000414	0.102598	-0.19803	0.198822	
FEF	MGF	-0.00081	114	0.993174	-0.00081	0.094916	-0.1847	0.183135	
FEF	NH3F	-0.25722	111	0.006425	-0.26313	0.096225	-0.42332	-0.07439	
FEF	PH	0.036359	93	0.729339	0.036375	0.105409	-0.1686	0.238306	
FEF	PO4F	0.172359	94	0.096677	0.174097	0.104828	-0.03136	0.362326	
FEF	SO4F	0.214401	114	0.021983	0.21778	0.094916	0.031735	0.383209	
FEF	SULF	-0.20591	111	0.030149	-0.2089	0.096225	-0.37781	-0.02029	
FEF	TKNF	-0.08212	111	0.391544	-0.0823	0.096225	-0.26447	0.105899	
FEF	TPF	0.199037	100	0.047116	0.20173	0.101535	0.002722	0.38058	
KF	MGF	-0.35753	130	2.97E-05	-0.37405	0.088736	-0.499	-0.1975	
KF	NH3F	0.040052	123	0.660055	0.040073	0.091287	-0.13796	0.215561	

KF	PH	-0.0858	107	0.379569	-0.08601	0.098058	-0.27124	0.105788
KF	PO4F	-0.55676	101	1.49E-09	-0.62813	0.101015	-0.67839	-0.40544
KF	SO4F	0.003504	130	0.968437	0.003504	0.088736	-0.16879	0.175588
KF	SULF	0.088906	127	0.32023	0.089142	0.089803	-0.08665	0.259111
KF	TKNF	-0.43302	127	3.68E-07	-0.4636	0.089803	-0.56464	-0.27991
KF	TPF	-0.46125	118	1.47E-07	-0.4989	0.09325	-0.5926	-0.306
MGF	NH3F	0.157442	145	0.058589	0.158763	0.083918	-0.00572	0.312436
MGF	PH	-0.07665	129	0.387911	-0.0768	0.089087	-0.24625	0.097496
MGF	PO4F	0.708931	123	0	0.885032	0.091287	0.608232	0.787173
MGF	SO4F	-0.1411	152	0.082941	-0.14204	0.081923	-0.2937	0.018524
MGF	SULF	0.183499	147	0.026099	0.185601	0.083333	0.022264	0.33543
MGF	TKNF	0.795633	149	0	1.086598	0.082761	0.727966	0.847949
MGF	TPF	0.6893	137	0	0.84662	0.086387	0.589762	0.768207
NH3F	PH	-0.08429	124	0.35195	-0.08449	0.090909	-0.2568	0.093414
NH3F	PO4F	0.319363	121	0.000356	0.330938	0.092057	0.149379	0.471012
NH3F	SO4F	-0.56468	145	1.39E-13	-0.63968	0.083918	-0.66636	-0.44239
NH3F	SULF	0.277595	140	0.000898	0.285074	0.085436	0.117081	0.423975
NH3F	TKNF	0.50687	142	1.22E-10	0.558508	0.084819	0.37331	0.619845
NH3F	TPF	0.228346	130	0.008975	0.232443	0.088736	0.058455	0.385382
PH	PO4F	0.022728	108	0.815391	0.022732	0.09759	-0.16697	0.2108
PH	SO4F	0.104899	129	0.236773	0.105286	0.089087	-0.06921	0.272809
PH	SULF	-0.13782	124	0.126907	-0.1387	0.090909	-0.30668	0.039462
PH	TKNF	-0.08156	126	0.363903	-0.08175	0.090167	-0.25287	0.094696
PH	TPF	0.028907	124	0.74995	0.028915	0.090909	-0.14817	0.204186
PO4F	SO4F	-0.26272	123	0.003327	-0.26903	0.091287	-0.42022	-0.08987
PO4F	SULF	0.177854	119	0.052973	0.179766	0.092848	-0.00222	0.346752
PO4F	TKNF	0.782264	120	0	1.051177	0.09245	0.701361	0.843268
PO4F	TPF	0.923394	113	0	1.611583	0.095346	0.890576	0.946646
SO4F	SULF	-0.34503	147	1.87E-05	-0.35979	0.083333	-0.4801	-0.19397
SO4F	TKNF	-0.33864	149	2.4E-05	-0.35256	0.082761	-0.47365	-0.18808
SO4F	TPF	-0.20758	137	0.014936	-0.21064	0.086387	-0.36267	-0.0413
SULF	TKNF	0.216011	144	0.009314	0.219468	0.084215	0.054352	0.366635
SULF	TPF	0.264323	132	0.002194	0.27075	0.088045	0.097867	0.416391
TKNF	TPF	0.727373	135	0	0.923125	0.087039	0.636655	0.798232



MULTIVARIATE  
 SOIL  
 Mosquitofish THg vs Y  
 POOLED STATIONS

LAG 1

Number	RSquare	Intercept	TP_1	OX_AL_1	OX_FE_1	TOTAL_AL_1	TOTAL_FE_1
In Model							
1	0.5292	89.9291	-0.05387				
1	0.3118	3.90796			0.10886		
1	0.1366	14.885				0.03296	
1	0.1323	23.4634		0.05898			
1	0.0006	42.0748					-0.00178
2	0.5927	62.5526	-0.0442		0.05532		
2	0.561	105.938	-0.05664				-0.01297
2	0.5309	93.9662	-0.05583	-0.00785			
2	0.5303	94.1085	-0.05547			-0.00352	
2	0.4403	20.8946			0.1501		-0.02963
2	0.3628	9.44269			0.18473	-0.04012	
2	0.3226	3.25829		-0.02642	0.13331		
2	0.2929	46.8671		0.1243			-0.04045
2	0.2681	28.6088				0.06173	-0.03455
2	0.1426	17.3633		0.02716		0.01969	
3	0.7745	90.2821	-0.05675		0.19205	-0.08033	
3	0.7076	77.2354	-0.04315		0.09562		-0.02804
3	0.6837	72.5953	-0.05328	-0.08154	0.11979		
3	0.5779	99.4359	-0.04962	0.03674			-0.02301
3	0.5749	95.4228	-0.0506			0.017	-0.0208
3	0.5309	93.8218	-0.0558	-0.0084		0.00036	
3	0.4563	26.1031		0.03938	0.12394		-0.03703
3	0.4424	20.8843			0.16485	-0.0095	-0.02733
3	0.3682	11.8087		0.02586	0.18451	-0.05266	
3	0.3143	38.9696		0.08083		0.02852	-0.04207
4	0.7885	91.2124	-0.05391		0.18304	-0.06501	-0.01188
4	0.7754	89.9163	-0.05717	-0.01063	0.19219	-0.07548	
4	0.7207	78.128	-0.04785	-0.03962	0.116		-0.02043
4	0.5794	96.5036	-0.04887	0.02627		0.00774	-0.02371
4	0.4764	30.0424		0.06945	0.15938	-0.03567	-0.03403
5	0.789	91.5714	-0.05335	0.00825	0.1822	-0.06754	-0.01284

LAG 2

Number	RSquare	Intercept	TP_2	OX_AL_2	OX_FE_2	TOTAL_ AL_2	TOTAL_ E_2
In Model							
1	0.4862	51.3766	-0.02418				
1	0.2609	5.11723				0.0292	
1	0.2493	12.8219		0.05195			
1	0.1365	11.5635			0.04269		
1	0.0215	19.9961					0.00674
2	0.5632	38.3177	-0.02286		0.03236		
2	0.5497	35.7026	-0.02035			0.01574	
2	0.537	40.6155	-0.02053	0.02589			
2	0.489	48.5439	-0.02393				0.00247
2	0.3281	23.8827		0.08033			-0.01802
2	0.322	11.6665				0.0414	-0.01503
2	0.2705	7.20982		0.02242		0.01824	
2	0.261	5.28679			-0.00192	0.0299	
2	0.2529	10.9677		0.04662	0.00914		
2	0.1378	12.6995			0.04494		-0.00187
3	0.5725	38.1634	-0.01928			0.02402	-0.00934
3	0.5709	41.4215	-0.02311		0.03784		-0.00464
3	0.5675	35.6576	-0.0217		0.0236	0.00622	
3	0.5664	37.0513	-0.02187	0.00867	0.02656		
3	0.5605	44.8233	-0.01903	0.04376			-0.01015
3	0.5499	35.8696	-0.02026	0.00311		0.01428	
3	0.3589	17.8045		0.04643		0.02206	-0.01917
3	0.3338	21.7175		0.07404	0.01146		-0.01828
3	0.3221	11.8469			-0.00203	0.04214	-0.01503
3	0.2706	7.33242		0.02237	-0.00145	0.0188	
4	0.5901	41.2659	-0.02038	0.02657	0.02667		-0.0102
4	0.5882	38.0122	-0.0206		0.02224	0.01469	-0.00892
4	0.5782	39.6699	-0.01857	0.01877		0.01684	-0.01122
4	0.5676	35.8023	-0.02163	0.00269	0.02357	0.00496	
4	0.3589	17.8945		0.04639	-0.00108	0.02247	-0.01917
5	0.5932	39.4333	-0.01991	0.01767	0.02178	0.00812	-0.01071

LAG 3

Number	RSquare	Intercept	TP_3	OX_AL_3	OX_FE_3	TOTAL_AL_3	TOTAL_FE_3
In Model							
1	0.2733	120.053	-0.0465				
1	0.1966	21.0647				0.06542	
1	0.1535	40.6691		0.10703			
1	0.0323	46.5223					0.02292
1	0.0179	55.049			0.04321		
2	0.324	79.9772	-0.036			0.03758	
2	0.2942	98.7896	-0.0389	0.04591			
2	0.2762	111.137	-0.0453				0.00699
2	0.2744	37.7929			-0.1321	0.10948	
2	0.2733	119.935	-0.0465		0.00026		
2	0.2134	32.3823				0.08101	-0.0213
2	0.1966	21.0462		-0.0002		0.06553	
2	0.1706	53.2391		0.13431	-0.0532		
2	0.1649	53.1133		0.13281			-0.0182
2	0.0377	40.7589			0.0254		0.01927
3	0.3768	88.3529	-0.0326		-0.1099	0.07686	
3	0.3348	87.8106	-0.0352			0.05069	-0.0171
3	0.3319	79.3361	-0.0382	-0.0533		0.06134	
3	0.3082	56.2244			-0.1485	0.13747	-0.0308
3	0.3042	107.149	-0.038	0.06822	-0.0409		
3	0.2969	103.756	-0.0381	0.05995			-0.009
3	0.2765	112.941	-0.0456		-0.0061		0.00776
3	0.2756	36.4069		-0.0207	-0.1342	0.12004	
3	0.2148	35.2591		0.02346		0.0712	-0.0232
3	0.1839	67.4057		0.16373	-0.0562		-0.0196
4	0.3999	101.183	-0.031		-0.1246	0.1017	-0.0256
4	0.3889	87.9247	-0.0352	-0.0667	-0.1148	0.10831	
4	0.3383	85.8857	-0.0369	-0.0374		0.06487	-0.0139
4	0.3085	57.2909		0.00943	-0.1479	0.13331	-0.0315
4	0.3078	113.262	-0.0371	0.08543	-0.0428		-0.0104
5	0.4044	99.0992	-0.0329	-0.0427	-0.1257	0.11833	-0.022

LAG 4

Number	RSquare	Intercept	TP_4	OX_AL_4	OX_FE_4	TOTAL_AL_4	TOTAL_FE_4
In Model							
1	0.1065	9.34755			0.03371		
1	0.05	13.0455	0.00759				
1	0.0287	16.2028		0.01589			
1	0.0138	15.9853				0.00611	
1	0.0021	18.9001					0.00188
2	0.1969	16.3963			0.08338	-0.02949	
2	0.165	0.2679	0.00821		0.03506		
2	0.1506	-3.43516	0.01352	0.03396			
2	0.1295	14.2394			0.04354		-0.00743
2	0.1185	-5.07292	0.01261			0.01564	
2	0.1148	9.7112		-0.01218	0.04329		
2	0.0579	8.25745	0.00816				0.00375
2	0.039	19.9589		0.02511			-0.00586
2	0.0337	18.8735		0.02846		-0.00787	
2	0.0152	16.9101				0.00767	-0.00198
3	0.2397	20.7112		0.04223	0.08944	-0.05282	
3	0.1981	17.2511			0.08334	-0.02803	-0.00183
3	0.1974	18.8375	-0.00145		0.08908	-0.03302	
3	0.1866	1.19518	0.01532	0.05413			-0.0113
3	0.1767	4.59908	0.00751		0.0421		-0.0054
3	0.1716	-2.67728	0.01049	0.01414	0.02431		
3	0.1508	-2.73114	0.01343	0.03651		-0.00168	
3	0.1297	14.0536		-0.00188	0.04454		-0.00706
3	0.1281	-3.77123	0.01333			0.02039	-0.00533
3	0.0434	22.369		0.03668		-0.00741	-0.0057
4	0.255	25.1348		0.05277	0.09078	-0.05291	-0.00716
4	0.2403	23.2068	-0.00148	0.04224	0.09527	-0.05643	
4	0.2049	1.73396	0.01242	0.03486	0.02273		-0.01088
4	0.1983	18.6011	-0.00086		0.08674	-0.0303	-0.00161
4	0.1866	1.14768	0.01533	0.05396		0.00012	-0.0113
5	0.2554	23.2435	0.00126	0.05332	0.08589	-0.04984	-0.00754

LAG 5

Number	RSquare	Intercept	TP_5	OX_AL_5	OX_FE_5	TOTAL_AL_5	TOTAL_FE_5
In Model							
1	0.5031	65.3083	-0.02905				
1	0.3478	14.5689		0.08561			
1	0.3289	-4.13515				0.06512	
1	0.1468	13.0928					0.02138
1	0.0061	38.9042			-0.01314		
2	0.7302	29.6936	-0.02622			0.05468	
2	0.6928	45.4631	-0.02475	0.06504			
2	0.6393	44.1416	-0.02875				0.0206
2	0.5112	61.258	-0.02994		0.01569		
2	0.4595	5.62158			-0.06763	0.0848	
2	0.4558	28.9989		0.10539	-0.06005		
2	0.4415	-8.35402				0.1489	-0.04522
2	0.4001	26.5275		0.13975			-0.02441
2	0.3545	7.07247		0.05821		0.02337	
2	0.2055	21.5089			-0.04426		0.02696
3	0.7592	24.9087	-0.02423			0.09964	-0.02384
3	0.7559	31.2751	-0.02388		-0.03182	0.06487	
3	0.7302	29.3975	-0.02627	-0.00192		0.05604	
3	0.7085	48.8217	-0.0227	0.07484	-0.02459		
3	0.6932	46.253	-0.0244	0.07089			-0.00251
3	0.6431	45.6138	-0.02807		-0.0116		0.02208
3	0.5801	1.55262			-0.0697	0.17214	-0.04682
3	0.4928	38.1513		0.14989	-0.056		-0.02067
3	0.4809	15.7406		0.05333	-0.06659	0.04624	
3	0.4804	5.27285		0.07217		0.10246	-0.0481
4	0.7934	26.0457	-0.02123		-0.03702	0.11809	-0.02735
4	0.76	26.417	-0.02385	0.01077		0.09349	-0.02461
4	0.7559	31.4791	-0.02384	0.00131	-0.03186	0.06396	
4	0.7091	49.6903	-0.02232	0.08123	-0.02466		-0.00272
4	0.6141	14.1384		0.06755	-0.06851	0.12827	-0.04949
5	0.7953	28.3989	-0.02058	0.01665	-0.03772	0.10893	-0.0286

LAG 6

Number	RSquare	Intercept	TP_6	OX_AL_6	OX_FE_6	TOTAL_AL_6	TOTAL_FE_6
In Model							
1	0.3235	56.013	-0.02044				
1	0.2955	18.1993		0.06923			
1	0.2252	6.28998				0.04727	
1	0.1235	17.0921					0.0172
1	0.1075	19.069			0.04855		
2	0.5482	37.3828	-0.02453		0.07217		
2	0.5016	39.1456	-0.01678	0.05528			
2	0.4812	29.988	-0.01837			0.03996	
2	0.4393	38.9003	-0.02019				0.01666
2	0.3414	28.0225		0.1137			-0.02005
2	0.3124	13.2055		0.06239	0.02078		
2	0.2991	22.9922		0.08675		-0.01494	
2	0.2631	4.14334				0.0899	-0.02301
2	0.2438	3.06555			0.02235	0.04077	
2	0.1675	10.7055			0.03359		0.01296
3	0.6004	31.7704	-0.02126	0.03377	0.05399		
3	0.5848	27.2033	-0.02247		0.05604	0.02202	
3	0.5756	31.1263	-0.02378		0.06126		0.00883
3	0.5049	40.9434	-0.01598	0.0686			-0.0057
3	0.5022	37.3907	-0.01694	0.04797		0.00612	
3	0.4847	28.5137	-0.01775			0.05381	-0.00735
3	0.3655	22.8259		0.10917	0.02504		-0.02172
3	0.3498	21.9905		0.09452		0.02908	-0.02677
3	0.3206	19.8597		0.08851	0.02407	-0.02321	
3	0.28	1.10854			0.02135	0.08278	-0.02252
4	0.6031	33.4363	-0.02052	0.04603	0.05386		-0.00523
4	0.6013	33.8074	-0.02113	0.04241	0.05485	-0.00751	
4	0.5851	26.8046	-0.02227		0.05564	0.02608	-0.00208
4	0.5102	36.038	-0.01584	0.05373		0.02312	-0.01117
4	0.3695	19.008		0.09607	0.02305	0.02039	-0.02631
5	0.6031	33.2156	-0.0205	0.04536	0.05372	0.00113	-0.00549

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 POOLED STATIONS

LAG 1

Number	RSquare	Intercept	ltp_1	lox_al_1	lox_fe_1	ltotal_al_1	ltotal_fe_1
In Cell							
1	0.6897	379.248	-50.9558				
1	0.1513	-46.8034			15.7202		
1	0.1352	-37.3799		14.7003			
1	0.1325	-128.552				25.9581	
1	0	39.7994					0.06305
2	0.7522	304.665	-48.2798		10.2558		
2	0.6941	430.793	-53.3464			-5.4814	
2	0.6935	355.248	-49.4409	2.63681			
2	0.6906	392.692	-51.0204				-1.91435
2	0.4629	248.568		50.4569			-69.8266
2	0.3676	153.093			38.2594		-47.7572
2	0.2719	-67.2376				53.3784	-35.2432
2	0.1733	-108.746			10.6767	13.821	
2	0.1572	-50.1391		5.60804	10.9749		
2	0.1476	-93.367		8.46068		13.677	
3	0.8757	432.99	-44.9163		27.8666		-36.5081
3	0.8453	540.013	-60.0251		21.127	-33.4341	
3	0.8319	378.828	-56.6018	-22.8314	28.6328		
3	0.7285	401.739	-41.1046	18.7626			-27.5187
3	0.7267	492.91	-54.3285	12.4605		-24.1472	
3	0.6959	443.025	-55.3018			-10.3326	4.75405
3	0.5397	254.426		36.8745	20.9566		-77.2067
3	0.5307	52.2398			32.8231	42.2667	-68.9189
3	0.4921	171.061		41.9382		21.0748	-71.9666
3	0.1741	-117.092		-2.64492	12.1071	16.0343	
4	0.8869	506.873	-51.0238		28.3844	-15.0132	-27.4618
4	0.8779	433.239	-47.3202	-5.3607	29.8258		-31.6248
4	0.8633	512.449	-61.304	-13.1159	28.4428	-23.4658	
4	0.7421	485.095	-46.8213	21.1748		-16.8728	-19.9214
4	0.5849	157.59		24.6526	23.2822	26.5075	-80.7174
5	0.8876	503.283	-52.0751	-3.03196	29.4664	-14.2551	-25.1566

LAG 2

Number	RSquare	Intercept	ltp_2	lox_al_2	lox_fe_2	ltotal_al_2	ltotal_fe_2
In Model							
1	0.7124	222.464	-29.1648				
1	0.24	-119.139				22.5175	
1	0.1448	-24.9073		9.84219			
1	0.0499	-4.44041			5.58861		
1	0.008	1.28793					3.77486
2	0.7374	197.257	-28.7382		3.96712		
2	0.7354	156.593	-26.761			7.66553	
2	0.7275	195.493	-27.7696	3.33872			
2	0.7193	198.416	-29.143				3.5033
2	0.368	-79.6022				38.7503	-21.241
2	0.3173	106.692		26.1623			-31.9146
2	0.2477	-123.278			-2.74084	25.5334	
2	0.2409	-124.569		-1.3265		24.4324	
2	0.1632	-17.734		14.5271	-5.66289		
2	0.0658	30.9201			9.33918		-8.27966
3	0.742	168.257	-27.5109		2.60749	4.38016	
3	0.741	212.785	-28.5711		5.74798		-3.91056
3	0.7382	152.929	-25.7754			10.878	-3.48776
3	0.7376	199.14	-28.9316	-0.57442	4.40111		
3	0.7354	157.538	-26.7698	0.20871		7.35936	
3	0.7301	205.82	-26.7362	5.87865			-4.49366
3	0.4342	4.55657		14.8132		27.0238	-33.8783
3	0.3939	-56.6469			6.3022	37.3327	-28.4604
3	0.3176	106.066		26.5287	-0.66247		-31.5593
3	0.2492	-115.351		2.34652	-3.85216	23.3689	
4	0.7566	170.155	-25.5365		5.32084	9.93943	-9.74752
4	0.7467	158.567	-27.9266	-4.17241	4.66436	7.90936	
4	0.7424	213.855	-27.6452	2.45841	4.9375		-6.20946
4	0.7414	164.816	-24.9249	3.44279		9.07225	-7.01063
4	0.4363	4.02828		13.4195	2.02888	27.6708	-35.0134
5	0.7567	168.387	-25.7047	-0.72154	5.54415	10.2785	-9.2719



LAG 3

Number	RSquare	Intercept	ltp_3	lox_al_3	lox_fe_3	ltotal_al_3	ltotal_fe_3
In Model							
1	0.3484	424.353	-52.3733				
1	0.183	-262.807				51.2614	
1	0.1822	-124.674		36.2184			
1	0.0284	-96.7193					24.3509
1	0.0181	-18.0291			15.3973		
2	0.3723	232.023	-44.5041			21.3552	
2	0.3716	585.519	-59.3339		-19.6205		
2	0.3579	326.072	-46.0457	10.2695			
2	0.351	365.995	-51.445				7.53554
2	0.2433	-225.091			-40.2006	81.3712	
2	0.2311	-125.566				80.0863	-47.0463
2	0.2186	57.5555		52.5241			-39.1364
2	0.2113	-41.8461		47.8593	-25.0521		
2	0.1953	-213.331		19.0639		27.84	
2	0.0319	-108.739			7.81543		19.5053
3	0.4766	344.812	-50.1211		-53.6525	57.7657	
3	0.4116	474.964	-49.6496	24.2061	-34.3633		
3	0.3901	484.787	-59.7542		-28.6456		22.5799
3	0.3821	263.073	-41.4823			36.964	-22.1616
3	0.375	230.294	-46.589	-9.59836		31.7465	
3	0.359	345.558	-44.5438	14.1752			-7.34259
3	0.3007	-71.5798			-43.3632	115.359	-51.6068
3	0.2562	-174.039		19.5882	-40.4306	57.4778	
3	0.256	-33.3016		27.7522		50.2415	-53.9844
3	0.2426	120.616		62.0254	-22.8565		-36.4499
4	0.4887	380.688	-46.8234		-54.279	75.5637	-24.6661
4	0.4814	343.794	-52.9702	-12.8204	-54.2666	72.062	
4	0.4116	474.058	-49.7374	24.0056	-34.4044		0.40819
4	0.3824	260.2	-42.5163	-3.77785		39.9519	-20.5968
4	0.3282	26.2448		29.1276	-44.1565	84.6804	-58.9722
5	0.4898	376.178	-48.6649	-6.63924	-54.5275	80.9914	-21.9276

LAG 4

Number	RSquare	Intercept	ltp_4	lox_al_4	lox_fe_4	ltotal_al_4	ltotal_fe_4
In Model							
1	0.022	-19.8298				6.21427	
1	0.0035	36.1131					-2.20013
1	0.0023	32.4713	-1.69618				
1	0.0012	16.8236			0.75691		
1	0	20.4546		0.10219			
2	0.0759	0.5665				15.9617	-12.2942
2	0.0601	-51.1985		-7.83552		17.3708	
2	0.032	-29.9966			-3.1273	10.3887	
2	0.0263	61.3066			6.06991		-10.746
2	0.0235	-37.924	1.65061			7.26937	
2	0.0173	60.4923		5.85051			-10.3084
2	0.0061	49.4469	-1.84203				-2.32794
2	0.0043	19.0724		-2.8873	3.14912		
2	0.0034	28.2704	-1.68425		0.74644		
2	0.0024	35.0147	-1.83899	-0.29479			
3	0.1135	-95.0893	9.71326			27.3425	-18.8174
3	0.0814	16.6178			3.13084	14.5892	-15.8342
3	0.0772	-11.2922		-2.11056		17.3375	-10.2392
3	0.0676	-95.5631	3.74838	-8.6534		20.9314	
3	0.0656	-53.4533		-11.2705	3.53641	17.5411	
3	0.0491	-118.587	7.10262		-6.4279	19.3346	
3	0.0304	78.8202	-2.29771		6.28225		-11.2044
3	0.0276	66.2111		2.2195	5.02324		-12.3484
3	0.018	61.9934	-5.67553	-8.46954	7.73886		
3	0.0176	57.6281	0.71807	6.41055			-11.0347
4	0.1139	-90.7404	10.0465	1.35803		26.8477	-20.3634
4	0.1136	-99.6765	9.94391		-0.45169	27.8108	-18.4616
4	0.0892	-6.16738		-6.14926	5.42581	17.5917	-12.4417
4	0.0679	-87.2436	2.98162	-9.63734	1.18523	20.2601	
4	0.0307	80.6825	-3.02524	-1.66677	7.13549		-10.1462
5	0.1155	-110.368	12.1904	4.20505	-2.83041	28.7446	-21.375

LAG 5

Number	RSquare	Intercept	ltp_5	lox_al_5	lox_fe_5	ltotal_al_5	ltotal_fe_5
In Model							
1	0.5468	257.377	-33.0389				
1	0.2316	-190.587				35.7201	
1	0.0628	74.4976			-7.2882		
1	0.0333	5.01874		5.8257			
1	0.0039	13.6447					3.1161
2	0.6892	62.0365	-30.5515			28.3108	
2	0.5878	199.285	-34.7394				10.28
2	0.5666	232.021	-32.6812	4.49952			
2	0.5638	271.757	-32.0638		-3.83932		
2	0.5131	-224.115			-17.3618	56.0551	
2	0.4475	-203.264				75.9073	-35.5934
2	0.3839	37.3412		27.5718	-26.2458		
2	0.3078	-271.019		-13.4486		59.3441	
2	0.2011	-47.5819			-19.3043		27.7354
2	0.0757	89.122		17.9713			-21.5854
3	0.8222	0.81432	-26.0381		-12.3771	43.902	
3	0.7575	138.176	-33.9411		-17.9222		32.9721
3	0.738	-9.41908	-29.7253	-10.8055		47.4921	
3	0.7194	23.1938	-26.4995			46.214	-14.9864
3	0.7108	214.316	-26.9851	19.4381	-17.7507		
3	0.5982	179.926	-37.1976	-7.73732			21.4219
3	0.5327	-221.07			-13.074	67.627	-14.6971
3	0.5311	-177.559		9.18068	-21.6863	44.9933	
3	0.4543	-171.151		5.75639		73.1296	-42.089
3	0.3872	60.5989		30.4973	-25.58		-6.17962
4	0.8297	13.7718	-27.7743		-14.9178	35.3376	9.84816
4	0.8249	15.819	-25.6708	3.58456	-14.1358	39.7543	
4	0.7611	146.84	-32.3246	4.93647	-19.0039		27.2331
4	0.7381	-9.16805	-29.5173	-10.4237		47.8624	-0.87726
4	0.5827	-131.438		17.1811	-17.6398	56.4447	-26.7873
5	0.8297	14.5962	-27.6993	0.27963	-14.9872	35.2428	9.58508

LAG 6

Number In Model	RSquare	Intercept	ltp_6	lox_al_6	lox_fe_6	ltotal_al_6	ltotal_fe_6
1	0.4777	217.052	-27.0888				
1	0.1609	-130.258				26.1198	
1	0.0936	-9.17976		8.56539			
1	0.0272	-14.3					7.21286
1	0.016	16.9042			3.22455		
2	0.5698	79.2208	-25.3337			19.9759	
2	0.5663	142.171	-29.2807				13.2511
2	0.5491	174.841	-26.4933	7.49031			
2	0.5373	193.417	-28.6916		6.31071		
2	0.2068	-135.385				42.3738	-14.396
2	0.1651	-133.852			-1.86118	28.2997	
2	0.1609	-129.117		0.19079		25.7847	
2	0.1415	69.2313		19.8889			-20.1245
2	0.119	-1.55329		13.6964	-6.19268		
2	0.0272	-13.5937			0.2227		6.92885
3	0.5815	95.1139	-26.5053		3.21304	15.9285	
3	0.5777	96.6296	-27.1497			11.9519	6.7167
3	0.5731	95.4898	-25.5218	2.46019		15.6087	
3	0.5677	147.004	-29.3439		1.41753		11.4563
3	0.5663	141.055	-29.4224	-0.44594			13.8933
3	0.5524	177.224	-27.2598	5.47986	2.38891		
3	0.2584	-57.6488		13.9343		35.6498	-30.1198
3	0.2193	-129.417			4.38212	45.1491	-21.3999
3	0.17	-112.581		4.19467	-3.83703	23.2456	
3	0.153	64.4324		21.9964	-4.30372		-17.5325
4	0.5822	88.3345	-26.6713	-1.61956	4.00769	17.8025	
4	0.5821	98.2683	-26.928		2.59451	13.8435	2.39748
4	0.578	93.1314	-27.4759	-1.12676		12.1301	8.24184
4	0.5682	144.144	-29.8775	-1.6294	1.77455		13.3507
4	0.2588	-59.4959		13.4029	0.82042	36.4258	-30.8314
5	0.5845	87.5941	-27.8996	-3.62076	3.4922	15.0706	5.80398

MULTIVARIATE  
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LAG 1

Number	RSquare	Intercept	TP_1	OX_AL_1	OX_FE_1	TOTAL_AL_1	TOTAL_FE_1
In Model							
1	0.6646	4.79894	-0.00175				
1	0.3271	2.10424			0.00323		
1	0.2535	2.51014		0.00237			
1	0.2494	2.19019				0.00129	
1	0.0087	2.98376					0.00019
2	0.7137	4.1001	-0.0015		0.00141		
2	0.6704	4.99678	-0.00179				-0.00016
2	0.6694	4.59916	-0.00165	0.00039			
2	0.6688	4.56209	-0.00166			0.0002	
2	0.3932	3.14319		0.00414			-0.00109
2	0.3797	2.41941			0.004		-0.00055
2	0.3517	2.54139				0.00203	-0.00088
2	0.3369	2.12216		0.00073	0.00256		
2	0.3272	2.09759			0.00314	4.8E-05	
2	0.2664	2.31196		0.00133		0.00064	
3	0.7576	4.49514	-0.00168		0.00336	-0.00114	
3	0.7563	4.35932	-0.00149		0.00212		-0.0005
3	0.728	4.2153	-0.00161	-0.00094	0.00215		
3	0.7033	4.73382	-0.0015	0.00149			-0.00057
3	0.6949	4.5913	-0.00155			0.00066	-0.00046
3	0.6695	4.57177	-0.00165	0.00028		6.8E-05	
3	0.46	2.75803		0.00256	0.0023		-0.00103
3	0.4173	2.89956		0.00279		0.00088	-0.00114
3	0.4025	2.4204			0.00258	0.00091	-0.00077
3	0.3436	2.21768		0.00131	0.00313	-0.00059	
4	0.7689	4.51942	-0.00161		0.00312	-0.00074	-0.00031
4	0.7582	4.50356	-0.00167	0.00024	0.00336	-0.00126	
4	0.7565	4.35632	-0.00147	0.00013	0.00206		-0.00052
4	0.7052	4.63842	-0.00148	0.00115		0.00025	-0.00059
4	0.4601	2.76651		0.00262	0.00238	-7.7E-05	-0.00102
5	0.7744	4.55615	-0.00155	0.00084	0.00304	-0.001	-0.00041

LAG 2

Number	RSquare	Intercept	TP_2	OX_AL_2	OX_FE_2	TOTAL_AL_2	TOTAL_FE_2
In Model							
1	0.671	3.99334	-0.00103				
1	0.2884	2.11649				0.00112	
1	0.2783	2.4083		0.00199			
1	0.1473	2.37002			0.00161		
1	0.0232	2.68819					0.00025
2	0.7468	3.52262	-0.00098		0.00117		
2	0.7228	3.47949	-0.00091			0.00052	
2	0.7109	3.647	-0.00091	0.00083			
2	0.6728	3.91121	-0.00102				7.2E-05
2	0.3684	2.83805		0.0031			-0.0007
2	0.3572	2.36904				0.00159	-0.00058
2	0.3003	2.20071		0.0009		0.00067	
2	0.2887	2.12682			-0.00012	0.00116	
2	0.2813	2.34679		0.00182	0.0003		
2	0.1487	2.41279			0.0017		-7E-05
3	0.7566	3.64949	-0.00099		0.00139		-0.00019
3	0.7477	3.47755	-0.00097		0.00102	0.00011	
3	0.7474	3.50272	-0.00097	0.00014	0.00108		
3	0.7434	3.56454	-0.00087			0.0008	-0.00032
3	0.7311	3.78907	-0.00086	0.00144			-0.00034
3	0.7228	3.4816	-0.00091	3.9E-05		0.0005	
3	0.4007	2.61136		0.00183		0.00082	-0.00074
3	0.3735	2.76376		0.00288	0.00039		-0.00071
3	0.3576	2.3798			-0.00012	0.00163	-0.00058
3	0.3005	2.20902		0.0009	-9.8E-05	0.00071	
4	0.7679	3.64515	-0.00092	0.00074	0.00108		-0.00034
4	0.766	3.55794	-0.00093		0.00097	0.00039	-0.0003
4	0.7477	3.47869	-0.00096	2.1E-05	0.00102	9.5E-05	
4	0.7473	3.61025	-0.00085	0.00057		0.00058	-0.00038
4	0.4009	2.61834		0.00183	-8.4E-05	0.00085	-0.00074
5	0.7693	3.59985	-0.00091	0.00052	0.00096	0.0002	-0.00036

LAG 3

Number	RSquare	Intercept	TP_3	OX_AL_3	OX_FE_3	TOTAL_AL_3	TOTAL_FE_3
In Model							
1	0.5368	4.94754	-0.00095				
1	0.164	3.4927		0.00161			
1	0.1638	3.28651				0.00087	
1	0.0476	3.51524					0.0004
1	0.0074	4.1154			-0.00041		
2	0.616	5.57451	-0.00105		-0.00137		
2	0.5418	4.76457	-0.0009			0.00017	
2	0.5383	4.85085	-0.00094				7.6E-05
2	0.538	4.87327	-0.00092	0.00016			
2	0.4767	3.77533			-0.00386	0.00216	
2	0.3381	4.0766		0.00288	-0.00247		
2	0.174	3.35503		0.00086		0.00046	
2	0.1685	3.60699		0.00185			-0.00017
2	0.1662	3.34846				0.00096	-0.00012
2	0.0791	3.71931			-0.0009		0.00053
3	0.7677	5.01719	-0.0008		-0.00332	0.00136	
3	0.6733	5.32069	-0.00088	0.00135	-0.00219		
3	0.6349	5.32379	-0.00101		-0.0016		0.00028
3	0.544	4.75952	-0.00092	-0.00042		0.00036	
3	0.5418	4.76871	-0.0009			0.00018	-9E-06
3	0.5385	4.84199	-0.00093	7.2E-05			5.7E-05
3	0.5005	4.00051			-0.00406	0.0025	-0.00038
3	0.4777	3.79381		0.00028	-0.00383	0.00202	
3	0.3469	4.24477		0.00323	-0.00251		-0.00023
3	0.1806	3.47928		0.00107		0.00051	-0.0002
4	0.7776	5.13957	-0.00078		-0.00346	0.00159	-0.00024
4	0.7762	5.01197	-0.00083	-0.00081	-0.00338	0.00174	
4	0.6733	5.32896	-0.00088	0.00138	-0.00219		-1.4E-05
4	0.5442	4.74529	-0.00092	-0.00045		0.00035	3E-05
4	0.5064	4.07805		0.00069	-0.00402	0.0022	-0.00043
5	0.7818	5.11023	-0.00081	-0.0006	-0.00347	0.00183	-0.00019

LAG 4

Number	RSquare	Intercept	TP_4	OX_AL_4	OX_FE_4	TOTAL_AL_4	TOTAL_FE_4
In Model							
1	0.1568	1.67515			0.00214		
1	0.0958	1.95671		0.00152			
1	0.072	1.81521				0.00073	
1	0.0056	2.55428	-0.00013				
1	0.0001	2.3859					2.6E-05
2	0.2118	2.07146			0.00294		-0.0006
2	0.1761	2.50686		0.00287			-0.00086
2	0.1729	1.83118			0.00324	-0.00065	
2	0.1596	1.77981	-9.5E-05		0.00213		
2	0.1582	1.66719		0.00027	0.00193		
2	0.1131	2.08015				0.00118	-0.00057
2	0.1031	1.7045	0.00017	0.00175			
2	0.0959	1.98086		0.00163		-7.1E-05	
2	0.0764	1.58926	0.00014			0.00083	
2	0.0056	2.55954	-0.00013				-4.1E-06
3	0.2629	3.51291	-0.001		0.00717	-0.00308	
3	0.249	2.22947		0.0016	0.00209		-0.00091
3	0.2216	2.30125	-0.00018		0.00297		-0.00065
3	0.2146	2.05387		0.00218	0.00355	-0.00186	
3	0.2131	2.09335			0.00323	-0.0002	-0.00056
3	0.2009	2.10402	0.00033	0.00349			-0.00097
3	0.1761	2.50729		0.00287		-1.3E-06	-0.00086
3	0.1597	1.76959	-8.7E-05	4.9E-05	0.00209		
3	0.1241	1.74115	0.00022			0.00139	-0.00062
3	0.1031	1.70067	0.00017	0.00174		9.1E-06	
4	0.3061	2.62079		0.00353	0.00373	-0.00187	-0.00092
4	0.3048	3.73914	-0.001	0.00219	0.00749	-0.00429	
4	0.2758	3.46359	-0.00087		0.00668	-0.00252	-0.00034
4	0.2502	2.15027	8E-05	0.00184	0.00195		-0.00094
4	0.2017	2.03767	0.00034	0.00325		0.00017	-0.00098
5	0.3511	3.74251	-0.00075	0.0032	0.00663	-0.00369	-0.00069



LAG 5

Number	RSquare	Intercept	TP_5	OX_AL_5	OX_FE_5	TOTAL_AL_5	TOTAL_FE_5
In Model							
1	0.8849	4.71769	-0.00164				
1	0.16	2.40584		0.00248			
1	0.1247	1.96863				0.00171	
1	0.0518	2.44058					0.00054
1	0.0492	3.49591			-0.0016		
2	0.9334	4.0159	-0.00159			0.00108	
2	0.9286	4.20644	-0.00164				0.0005
2	0.9189	4.35925	-0.00156	0.00117			
2	0.8849	4.72156	-0.00164		-1.5E-05		
2	0.3247	3.16542		0.00352	-0.00316		
2	0.2972	2.44667			-0.00331	0.00267	
2	0.2069	2.88868		0.00466			-0.00099
2	0.176	1.84728				0.00412	-0.0013
2	0.1634	2.93487			-0.0026		0.00087
2	0.1612	2.53883		0.00296		-0.00041	
3	0.9488	4.0681	-0.00151		-0.00105	0.00141	
3	0.9372	4.30136	-0.00159		-0.00075		0.00059
3	0.9354	3.90505	-0.00161	-0.00072		0.00158	
3	0.9337	4.03734	-0.0016			0.00088	0.00011
3	0.9287	4.47179	-0.0015	0.0015	-0.00082		
3	0.9286	4.20809	-0.00163	5.6E-05			0.00048
3	0.3547	2.3269			-0.00337	0.00524	-0.00138
3	0.3541	3.51287		0.00521	-0.00301		-0.00078
3	0.3279	2.96325		0.00272	-0.00326	0.00071	
3	0.2229	2.48512		0.00338		0.00195	-0.00144
4	0.9503	3.97256	-0.00153	-0.00061	-0.00103	0.00184	
4	0.9488	4.06956	-0.00151		-0.00105	0.0014	7.6E-06
4	0.9381	4.32122	-0.00156	0.0004	-0.00081		0.00047
4	0.9361	3.92491	-0.00162	-0.0008		0.00133	0.00016
4	0.3955	2.91461		0.00315	-0.00332	0.0032	-0.0015
5	0.9504	3.97859	-0.00154	-0.00064	-0.00102	0.00175	5.6E-05

LAG 6

Number	RSquare	Intercept	TP_6	OX_AL_6	OX_FE_6	TOTAL_AL_6	TOTAL_FE_6
In Model							
1	0.3419	3.93434	-0.00067				
1	0.1852	2.80952		0.00176			
1	0.1345	2.52379				0.00117	
1	0.08	2.79644			0.00135		
1	0.0419	2.89831					0.00032
2	0.528	3.3896	-0.00079		0.00211		
2	0.4329	3.54707	-0.00059	0.00127			
2	0.4235	3.33272	-0.00063			0.00092	
2	0.3792	3.62223	-0.00067				0.0003
2	0.2814	3.26635		0.00383			-0.00093
2	0.2318	2.41331				0.00337	-0.00118
2	0.2016	2.65136		0.00154	0.00066		
2	0.1901	2.98911		0.00242		-0.00056	
2	0.1535	2.41889			0.00073	0.00096	
2	0.091	2.68159			0.00114		0.00018
3	0.5413	3.29893	-0.00074	0.00055	0.00182		
3	0.5358	3.23966	-0.00076		0.00187	0.00032	
3	0.5286	3.3608	-0.00079		0.00206		4.1E-05
3	0.4533	3.19602	-0.00057			0.00221	-0.00068
3	0.4533	3.692	-0.00053	0.00234			-0.00046
3	0.4334	3.4953	-0.0006	0.00105		0.00018	
3	0.3084	3.08952		0.00367	0.00085		-0.00099
3	0.3051	2.94064		0.00279		0.00157	-0.0013
3	0.2482	2.31732			0.00068	0.00314	-0.00117
3	0.2117	2.88823		0.00247	0.00078	-0.00083	
4	0.5603	3.4404	-0.00068	0.00159	0.0018		-0.00044
4	0.5524	3.1415	-0.00071		0.00178	0.00132	-0.00051
4	0.5424	3.37454	-0.00074	0.00087	0.00185	-0.00028	
4	0.4715	3.40024	-0.00052	0.00146		0.00138	-0.00078
4	0.324	2.84676		0.00284	0.00073	0.0013	-0.00128
5	0.5644	3.30962	-0.00067	0.00119	0.00172	0.00067	-0.0006

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LAG 1

Number In Model	RSquare	Intercept	ltp_1	lox_al_1	lox_fe_1	ltotal_al_1	ltotal_fe_1
1	0.7033	13.1135	-1.49253				
1	0.2479	-3.51465				1.03014	
1	0.21	0.37709		0.53155			
1	0.1005	1.12618			0.37158		
1	0.0018	2.62824					0.08165
2	0.7341	11.5949	-1.43805		0.20882		
2	0.7275	11.3417	-1.38069	0.19466			
2	0.7104	11.2083	-1.40417			0.20259	
2	0.7034	12.9461	-1.49173				0.02383
2	0.6151	9.59866		1.68467			-2.25185
2	0.4516	-1.36508				1.99143	-1.23555
2	0.2563	-2.75637		0.18233		0.76547	
2	0.248	-3.52839			-0.00741	1.03856	
2	0.2249	0.68114		0.74822	-0.26153		
2	0.1987	5.03298			0.81209		-0.93337
3	0.8076	13.381	-1.01502	0.90202			-1.20711
3	0.772	13.6574	-1.38399		0.49186		-0.58676
3	0.7357	12.5052	-1.48348		0.25086	-0.12932	
3	0.7343	11.4928	-1.42659	0.03143	0.18352		
3	0.731	12.641	-1.42682	0.28738		-0.2279	
3	0.7196	10.4027	-1.27538			0.52212	-0.31313
3	0.6944	5.89351		1.27744		1.00746	-2.35415
3	0.6153	9.60733		1.66457	0.03101		-2.26277
3	0.548	0.75072			0.58126	1.79466	-1.83191
3	0.2658	-2.34413		0.37531	-0.21037	0.72451	
4	0.8182	13.6242	-1.06301	0.71579	0.23025		-1.23881
4	0.8113	12.1224	-0.9287	0.8656		0.25477	-1.32183
4	0.7836	11.4746	-1.20355		0.47656	0.44354	-0.85402
4	0.7376	12.7658	-1.47139	0.12399	0.18171	-0.22355	
4	0.6974	5.82298		1.18694	0.12189	1.03591	-2.39997
5	0.8225	12.2688	-0.971	0.67073	0.23721	0.27584	-1.36397

LAG 2

Number	RSquare	Intercept	ltp_2	lox_al_2	lox_fe_2	ltotal_al_2	ltotal_fe_2
In Model							
1	0.8299	10.6199	-1.14402				
1	0.2704	-2.68484				0.86864	
1	0.1497	1.03473		0.36368			
1	0.0326	2.02899			0.16426		
1	0.0037	2.31787					0.09329
2	0.8536	8.18827	-1.05528			0.28298	
2	0.842	9.98251	-1.13323		0.10032		
2	0.8414	9.76246	-1.09966	0.10615			
2	0.8328	10.0527	-1.14351				0.08263
2	0.4533	-0.96737				1.57379	-0.9227
2	0.3773	6.52739		1.04485			-1.33205
2	0.2971	-2.96543			-0.1858	1.0731	
2	0.2741	-3.08683		-0.09821		1.01041	
2	0.196	1.44875		0.63408	-0.32685		
2	0.047	3.24994			0.29376		-0.28589
3	0.8639	7.93283	-0.98656			0.50697	-0.24319
3	0.8542	8.01723	-1.05369	-0.03778		0.3384	
3	0.854	8.27997	-1.06118		0.0205	0.25715	
3	0.8485	10.3767	-1.0382	0.25721			-0.26726
3	0.8443	10.4325	-1.12839		0.15193		-0.11333
3	0.8429	9.81326	-1.11585	0.05163	0.06131		
3	0.5289	2.30001		0.57511		1.11852	-1.41333
3	0.4674	-0.35243			0.16883	1.53581	-1.11609
3	0.3836	6.40783		1.11483	-0.12654		-1.26418
3	0.3015	-2.47907		0.14397	-0.25399	0.94029	
4	0.8723	8.35738	-0.98067		0.13114	0.48384	-0.39747
4	0.8679	8.41943	-0.95174	0.14093		0.43305	-0.3874
4	0.8563	8.0333	-1.07176	-0.10621	0.07286	0.34699	
4	0.8513	10.5183	-1.05422	0.19694	0.08701		-0.29749
4	0.529	2.30478		0.58769	-0.01832	1.11268	-1.40308
5	0.8728	8.49287	-0.96778	0.05528	0.11403	0.45786	-0.43391

LAG 3

Number In Cells	RSquare	Intercept	ltp_3	lox_al_3	lox_fe_3	ltotal_al_3	ltotal_fe_3
1	0.44	9.73466	-0.85759				
1	0.1945	1.00364		0.54527			
1	0.137	-0.25741				0.6463	
1	0.0252	1.65009					0.33398
1	0.0105	4.95357			-0.17065		
2	0.6484	16.76605	-1.16127		-0.85601		
2	0.4439	8.82593	-0.79908	0.09495			
2	0.4421	8.89666	-0.8233			0.09305	
2	0.4407	9.30157	-0.8507				0.05592
2	0.4307	4.44175		1.02847	-1.03989		
2	0.4131	0.91903			-1.25396	1.58549	
2	0.2425	4.05314		0.81814			-0.65492
2	0.1952	1.31317		0.60517		-0.0972	
2	0.1662	1.29951				0.9733	-0.53371
2	0.0679	2.25893			-0.39587		0.57943
3	0.8352	12.08689	-0.98218		-1.51756	1.12292	
3	0.7592	14.08436	-0.92636	0.58715	-1.21361		
3	0.7183	13.91183	-1.17318		-1.11173		0.63979
3	0.4745	2.5389		0.62152	-1.26125	0.82737	
3	0.4626	6.83298		1.23698	-1.00757		-0.53649
3	0.4588	2.91176			-1.29501	2.02669	-0.66991
3	0.4448	9.08873	-0.77883	0.14763			-0.09902
3	0.4439	8.91717	-0.79856	0.11388		-0.03024	
3	0.4423	8.95742	-0.81739			0.1236	-0.04337
3	0.2453	3.69332		0.72004		0.19897	-0.71372
4	0.8364	12.25201	-0.967		-1.52044	1.20484	-0.11353
4	0.8352	12.08878	-0.97688	0.02384	-1.51642	1.09633	
4	0.7622	13.68859	-0.96474	0.49952	-1.23156		0.17843
4	0.547	5.46763		0.76102	-1.31574	1.22515	-0.86234
4	0.4448	9.06605	-0.77829	0.14286		0.01061	-0.10254
5	0.8369	12.29494	-0.94947	0.06319	-1.51808	1.15317	-0.13959

LAG 4

Number	RSquare	Intercept	ltp_4	lox_al_4	lox_fe_4	ltotal_al_4	ltotal_fe_4
In Model							
1	0.1013	6.41875	-0.59204				
1	0.058	-1.05367				0.52796	
1	0.0109	3.81696					-0.20407
1	0.0066	1.87367		0.1012			
1	0.0031	2.06103			0.06419		
2	0.2094	0.73623				1.38335	-1.07889
2	0.1428	7.76074		0.94643			-1.51573
2	0.117	8.2142	-0.60747				-0.24622
2	0.1079	4.36713	-0.4945			0.21186	
2	0.104	6.07821	-0.59107		0.06051		
2	0.1018	6.67503	-0.60643	-0.0297			
2	0.0944	-2.65851		-0.40087		1.09873	
2	0.0843	-1.91821			-0.26593	0.88293	
2	0.0775	6.07152			0.5432		-0.96884
2	0.008	1.9141		0.18865	-0.09211		
3	0.2298	3.2319		0.44417		1.09381	-1.51136
3	0.2267	2.2237			0.29013	1.25617	-1.40694
3	0.2097	1.18189	-0.04525			1.33033	-1.0485
3	0.1986	11.0354	-0.65123		0.60338		-1.09876
3	0.1648	9.09026	-0.33333	0.68646			-1.17856
3	0.146	7.92808		0.84018	0.14699		-1.57542
3	0.1438	8.99276	-0.93603	-0.73199	0.66484		
3	0.1284	2.30671	-0.41951	-0.30933		0.70023	
3	0.1087	3.61867	-0.44391		-0.05964	0.32381	
3	0.0951	-2.6152		-0.33489	-0.06793	1.09546	
4	0.2342	3.39455		0.31599	0.1722	1.10188	-1.58127
4	0.2334	4.99564	-0.23702		0.37553	0.94102	-1.34431
4	0.2304	2.68127	0.06963	0.46821		1.15973	-1.58153
4	0.1987	11.0262	-0.64766	0.00818	0.59919		-1.10395
4	0.1507	6.07358	-0.76669	-0.75484	0.53665	0.3963	
5	0.2352	4.46188	-0.12487	0.20993	0.25677	0.98764	-1.48976

LAG 5

Number In Cell	RSquare	Intercept	ltp_5	lox_al_5	lox_fe_5	ltotal_al_5	ltotal_fe_5
1	0.791	14.4043	-1.69395				
1	0.0983	-3.26793				0.99189	
1	0.0727	4.81249			-0.33422		
1	0.0303	1.78045		0.23693			
1	0	3.02177					-0.00489
2	0.8254	10.3076	-1.64178			0.59373	
2	0.8181	12.3891	-1.75293				0.3566
2	0.8064	14.9896	-1.65425		-0.15629		
2	0.8063	13.4534	-1.68053	0.16874			
2	0.4041	3.20322		1.19416	-1.15529		
2	0.3148	-4.52143			-0.6491	1.75215	
2	0.2342	-3.69671				2.35113	-1.20386
2	0.1604	0.66786			-0.74217		0.94162
2	0.1369	7.46408		1.05772			-1.45873
2	0.1074	-4.45473		-0.19844		1.34047	
3	0.9494	10.0978	-1.723		-0.67201		1.20747
3	0.9285	12.7585	-1.45699	0.755	-0.69662		
3	0.8874	8.52728	-1.51053		-0.35992	1.04711	
3	0.8261	9.95838	-1.63774	-0.05281		0.68747	
3	0.8261	10.5467	-1.66672			0.48353	0.09224
3	0.8218	11.896	-1.81554	-0.19707			0.64038
3	0.4353	6.27389		1.5804	-1.06739		-0.81588
3	0.4194	0.25453		0.94181	-1.09273	0.61736	
3	0.3196	-4.45682			-0.55814	1.99764	-0.3118
3	0.2931	0.33847		0.72331		2.0021	-2.02006
4	0.9565	10.6139	-1.6267	0.29408	-0.73645		0.86558
4	0.9494	10.1219	-1.7242		-0.6726	-0.00685	1.21195
4	0.9326	11.1498	-1.44634	0.62651	-0.66732	0.32219	
4	0.8309	9.84436	-1.73221	-0.22621		0.51931	0.39843
4	0.4796	2.37895		1.31032	-0.90634	1.14483	-1.23385
5	0.9569	11.0323	-1.64133	0.30881	-0.74916	-0.1115	0.92141

## LAG 6

Number In Cell	RSquare	Intercept	ltp_6	lox_al_6	lox_fe_6	ltotal_al_6	ltotal_fe_6
1	0.5193	9.33742	-0.90717				
1	0.1063	-1.07719				0.68189	
1	0.0695	2.01511		0.23706			
1	0.0011	3.0774			0.02687		
1	0.001	2.91654					0.04545
2	0.5691	6.0811	-0.8657			0.47194	
2	0.569	8.2053	-0.89119	0.20089			
2	0.5476	7.97705	-0.94699				0.24073
2	0.543	8.85826	-0.93966		0.12794		
2	0.2451	6.83627		0.93329			-1.23737
2	0.2153	-1.33099				1.48642	-0.71257
2	0.1336	2.40471		0.49917	-0.31635		
2	0.1236	-1.31121			-0.12118	0.82382	
2	0.107	-0.86012		0.0363		0.61813	
2	0.0012	2.96741			0.01604		0.02499
3	0.576	6.8353	-0.87442	0.11405		0.26948	
3	0.5755	8.87091	-0.83349	0.35724			-0.2737
3	0.5716	6.31799	-0.88316		0.04789	0.41161	
3	0.5699	8.16558	-0.87841	0.23441	-0.03982		
3	0.5695	5.95191	-0.85222			0.53148	-0.04984
3	0.5496	8.16355	-0.94942		0.0547		0.17148
3	0.3583	2.82559		0.74507		1.12689	-1.55332
3	0.2681	6.61801		1.02914	-0.19574		-1.11948
3	0.2319	-1.10974			0.16246	1.58931	-0.97222
3	0.1512	0.31188		0.32007	-0.27195	0.43817	
4	0.5932	6.97751	-0.75658	0.33034		0.47925	-0.49698
4	0.5766	6.01917	-0.84312		0.10649	0.60912	-0.22712
4	0.5761	6.86408	-0.8698	0.13046	-0.01612	0.26066	
4	0.5759	8.82283	-0.82641	0.37566	-0.02761		-0.26526
4	0.3593	2.92223		0.77287	-0.04293	1.08629	-1.51608
5	0.5936	6.93014	-0.76021	0.30901	0.02987	0.5044	-0.51784



SOIL (0-2 cm)  
SPEARMAN  
CO-CORRELATION  
POOLED STATIONS

independent	month lag	df	intercept	se_int	p value intercept	slope	se_slope	p value slope	r_square
LAFDW	LAG1	2	29.90694	36.53371	0.563287	-6.14846	8.534665	0.602563	0.3417
LAFDW	LAG2	5	22.05615	8.488963	0.060161	-4.44472	1.964974	0.086491	0.5612
LAFDW	LAG3	5	25.8702	8.117555	0.033313	-5.29095	1.879002	0.048031	0.6647
LAFDW	LAG4	1	24.53889			-4.58916			1
LAFDW	LAG5	5	36.5742	13.18668	0.050147	-7.9444	3.052374	0.059878	0.6287
LAFDW	LAG6	5	17.47385	12.2382	0.226528	-3.2914	2.832824	0.309888	0.2523
LASH	LAG0	11	2.211454	2.465674	0.390855	0.013948	0.789223	0.986247	0
LASH	LAG1	14	1.82216	2.119556	0.405535	0.437112	0.673824	0.527824	0.0314
LASH	LAG2	17	1.664682	1.380881	0.245529	0.412943	0.437395	0.359159	0.0528
LASH	LAG3	18	3.0013	1.487738	0.059731	0.310347	0.476021	0.523144	0.0244
LASH	LAG4	18	-0.17364	1.786637	0.923713	0.919129	0.572367	0.126724	0.1317
LASH	LAG5	16	-0.69578	2.016811	0.734893	1.119163	0.614659	0.088645	0.181
LASH	LAG6	13	1.526778	1.735773	0.396352	0.57594	0.532322	0.300543	0.0889
LDRYWT	LAG0	11	2.497529	1.897067	0.217374	-0.1017	0.781276	0.899014	0.0017
LDRYWT	LAG1	14	1.713681	1.390851	0.239729	0.637091	0.589547	0.299496	0.0824
LDRYWT	LAG2	20	2.406095	1.196098	0.058661	0.274678	0.503894	0.592019	0.0154
LDRYWT	LAG3	24	3.448379	1.226289	0.009892	0.107477	0.520725	0.838296	0.0018
LDRYWT	LAG4	24	3.022941	1.250937	0.024006	-0.12153	0.551856	0.82764	0.0021
LDRYWT	LAG5	18	4.009358	2.098346	0.073055	-0.44236	0.979432	0.657232	0.0119
LDRYWT	LAG6	19	5.028209	1.749703	0.010102	-0.92029	0.806509	0.268791	0.0675
LHCL_SRP	LAG0	5	8.191979	2.027183	0.01559	-1.0364	0.353924	0.042886	0.6819
LHCL_SRP	LAG3	1	11.51896			-1.3204			1
LHCL_SRP	LAG4	4	6.954029	3.555705	0.145456	-0.66633	0.603877	0.350409	0.2887
LHCL_SRP	LAG5	4	9.437249	3.473205	0.072724	-1.06971	0.589865	0.167406	0.523
LHCL_SRP	LAG6	1	7.384554			-0.49982			1
LK	LAG0	5	24.48255	17.3695	0.231482	-4.21685	3.300502	0.27049	0.2898
LK	LAG3	1	23.98957			-3.7164			1
LK	LAG4	4	33.58572	10.73087	0.052073	-5.78523	2.032644	0.065315	0.7297
LK	LAG5	4	35.96716	15.73207	0.106324	-6.21368	2.979971	0.12837	0.5917
LK	LAG6	1	-2.81978			1.314687			1
LOX_AL	LAG0	5	-6.47528	2.78309	0.080547	1.550068	0.492656	0.034635	0.7122
LOX_AL	LAG1	14	0.377094	1.533457	0.809591	0.53155	0.285912	0.085786	0.21
LOX_AL	LAG2	16	1.034726	1.198058	0.401369	0.36368	0.223829	0.125025	0.1497
LOX_AL	LAG3	15	1.003642	1.621172	0.545804	0.545274	0.29658	0.087289	0.1945
LOX_AL	LAG4	12	1.873667	2.028498	0.375474	0.101204	0.37321	0.791279	0.0066
LOX_AL	LAG5	10	1.78045	2.315156	0.461573	0.236933	0.446628	0.608609	0.0303
LOX_AL	LAG6	10	2.015112	1.498989	0.211748	0.237059	0.289178	0.433521	0.0695
LOX_FE	LAG0	5	-8.09959	4.396996	0.139263	1.731344	0.734818	0.07799	0.5812
LOX_FE	LAG1	14	1.12618	1.731239	0.526696	0.371578	0.308335	0.24964	0.1005
LOX_FE	LAG2	16	2.028985	1.318481	0.14466	0.164259	0.230998	0.487941	0.0326
LOX_FE	LAG3	15	4.953569	2.592734	0.07676	-0.17065	0.443324	0.706078	0.0105

LOX_FE	LAG4	12	2.061029	1.960228	0.315614	0.064187	0.349288	0.857542	0.0031
LOX_FE	LAG5	10	4.81249	2.208739	0.057283	-0.33422	0.397868	0.422644	0.0727
LOX_FE	LAG6	10	3.077405	1.515205	0.072815	0.026866	0.272939	0.923746	0.0011
LTC	LAG0	11	6.823388	31.84212	0.834629	-0.35425	2.46878	0.888753	0.0021
LTC	LAG1	14	23.15224	22.92941	0.331055	-1.54724	1.776474	0.399575	0.0551
LTC	LAG2	20	17.68194	17.56577	0.326769	-1.13316	1.360008	0.415084	0.0352
LTC	LAG3	24	24.99352	19.47471	0.212139	-1.64778	1.506815	0.285472	0.0494
LTC	LAG4	24	37.1677	16.7454	0.036588	-2.66429	1.296242	0.051367	0.1552
LTC	LAG5	18	32.45936	19.07996	0.107117	-2.28263	1.4818	0.141858	0.1225
LTC	LAG6	19	35.05301	20.02349	0.097041	-2.47995	1.551673	0.127395	0.1243
LTCA	LAG0	11	5.53201	7.00523	0.448025	-0.29241	0.624275	0.649546	0.0215
LTCA	LAG1	14	4.041926	6.835528	0.564453	-0.07735	0.61518	0.901868	0.0012
LTCA	LAG2	20	5.483665	5.178017	0.302866	-0.22059	0.4684	0.643042	0.0115
LTCA	LAG3	24	0.448537	4.938788	0.928423	0.294167	0.446728	0.51676	0.0185
LTCA	LAG4	24	-1.03292	4.840631	0.832906	0.340869	0.435495	0.441779	0.0259
LTCA	LAG5	18	-2.54199	6.332692	0.693121	0.498738	0.562152	0.387354	0.0443
LTCA	LAG6	19	-3.1482	6.532649	0.635672	0.556822	0.586116	0.354684	0.0477
LTIP	LAG0	5	9.768066	1.807501	0.005676	-1.43235	0.338769	0.01339	0.8172
LTIP	LAG1	14	9.965251	1.268823	2.73E-06	-1.21085	0.224517	0.000123	0.6911
LTIP	LAG2	20	7.921177	1.010648	2.27E-07	-0.8528	0.174981	0.000105	0.5556
LTIP	LAG3	22	8.280874	1.082727	1.68E-07	-0.8063	0.185368	0.000282	0.4739
LTIP	LAG4	19	4.14005	1.886863	0.041591	-0.25191	0.321775	0.443874	0.0329
LTIP	LAG5	13	9.646365	2.07369	0.000559	-1.09402	0.340148	0.007405	0.463
LTIP	LAG6	17	7.501948	1.9081	0.001192	-0.77014	0.318782	0.028018	0.2673
LTN	LAG0	11	-1.45198	22.99247	0.950891	0.36524	2.265387	0.875126	0.0026
LTN	LAG1	14	6.86394	15.87379	0.672532	-0.36249	1.563082	0.820219	0.0041
LTN	LAG2	20	9.524246	12.43719	0.453212	-0.63708	1.22315	0.608485	0.0141
LTN	LAG3	24	23.9234	13.75017	0.09525	-1.98759	1.351119	0.154823	0.086
LTN	LAG4	24	21.29443	11.67168	0.081102	-1.82287	1.147226	0.125727	0.0989
LTN	LAG5	18	21.70706	13.19131	0.118216	-1.83649	1.299631	0.175679	0.1051
LTN	LAG6	19	22.4779	13.80412	0.120828	-1.90897	1.356372	0.176341	0.0991
LTOC	LAG2	2	-1033.04	755.61	0.402036	79.76069	58.13747	0.400981	0.653
LTOC	LAG3	5	-55.3563	51.29492	0.341239	4.476178	3.943685	0.319766	0.2436
LTOC	LAG4	5	-61.1179	55.97816	0.336267	4.931452	4.303745	0.315749	0.2471
LTOC	LAG5	1	55.68399			-3.98242			1
LTOC	LAG6	5	-151.228	63.47768	0.075793	11.80154	4.880328	0.072906	0.5938
LTOTAL_A	LAG0	11	-8.8704	4.667279	0.086544	1.663185	0.696568	0.038109	0.3631
LTOTAL_A	LAG1	14	-3.51465	3.246232	0.298622	1.030136	0.497612	0.058913	0.2479
LTOTAL_A	LAG2	20	-1.12332	2.761735	0.688741	0.649013	0.428566	0.146388	0.1077
LTOTAL_A	LAG3	24	-3.28228	2.299445	0.166895	1.091289	0.358488	0.00576	0.2872
LTOTAL_A	LAG4	24	0.732211	2.959898	0.806811	0.314394	0.459438	0.500623	0.02
LTOTAL_A	LAG5	18	-0.17324	4.475216	0.969572	0.515633	0.709895	0.477506	0.0301
LTOTAL_A	LAG6	19	-5.9115	3.715996	0.129058	1.436247	0.59421	0.026482	0.245
LTOTAL_F	LAG0	11	-6.1357	6.377483	0.358692	1.216803	0.923765	0.217147	0.1479
LTOTAL_F	LAG1	14	2.628237	3.606381	0.479064	0.081649	0.528576	0.879611	0.0018
LTOTAL_F	LAG2	20	0.481106	2.704525	0.860693	0.376913	0.395993	0.353142	0.0455
LTOTAL_F	LAG3	24	-1.48403	3.287578	0.655926	0.755159	0.47826	0.127998	0.0978
LTOTAL_F	LAG4	24	2.883663	3.092065	0.360714	-0.0193	0.451735	0.966297	0.0001
LTOTAL_F	LAG5	18	2.020409	4.056948	0.624857	0.155955	0.600875	0.798331	0.0039
LTOTAL_F	LAG6	19	0.771548	3.445076	0.825313	0.336698	0.506939	0.514994	0.0239
LTOTAL_K	LAG0	5	-8.91335	25.85702	0.747669	1.988522	4.619366	0.68903	0.0443
LTOTAL_K	LAG1	14	-1.32378	7.092856	0.854828	0.78824	1.239348	0.535806	0.0302

LTOTAL_K	LAG2	20	-3.60244	5.105684	0.489014	1.163353	0.892476	0.207975	0.0821
LTOTAL_K	LAG3	22	4.388842	5.355084	0.421669	-0.13464	0.936402	0.887039	0.001
LTOTAL_K	LAG4	19	-13.2207	6.15585	0.045607	2.795122	1.08155	0.018704	0.2706
LTOTAL_K	LAG5	13	1.922444	8.770364	0.83018	0.192631	1.517054	0.901061	0.0013
LTOTAL_K	LAG6	17	-7.14856	6.415251	0.281606	1.748472	1.112214	0.135499	0.1338
LTOTAL_M	LAG0	11	-5.15867	9.338316	0.592793	0.889343	1.119578	0.445431	0.0594
LTOTAL_M	LAG1	14	-8.19788	10.76653	0.459995	1.388191	1.312734	0.309547	0.0792
LTOTAL_M	LAG2	20	-9.00747	8.25794	0.289017	1.464162	1.002688	0.160564	0.1009
LTOTAL_M	LAG3	24	2.572554	7.276189	0.726891	0.136164	0.88	0.878382	0.001
LTOTAL_M	LAG4	24	-16.5191	6.970355	0.026561	2.328564	0.841917	0.011	0.2496
LTOTAL_M	LAG5	18	-11.0404	9.515165	0.261964	1.685834	1.136294	0.156212	0.1146
LTOTAL_M	LAG6	19	-17.3271	11.01075	0.132979	2.451813	1.32431	0.080592	0.16
LTP	LAG0	11	12.19559	1.675152	2.66E-05	-1.47853	0.248009	0.000139	0.7804
LTP	LAG1	14	13.11347	1.796605	6.01E-06	-1.49253	0.268884	9.37E-05	0.7033
LTP	LAG2	20	11.23266	1.382416	1.33E-07	-1.2146	0.204231	1E-05	0.6505
LTP	LAG3	24	10.88415	1.650127	9.92E-07	-1.06132	0.24269	0.000222	0.454
LTP	LAG4	24	7.521794	2.48652	0.006025	-0.69593	0.361508	0.066674	0.1388
LTP	LAG5	18	12.64573	2.304941	4.01E-05	-1.38921	0.333098	0.000641	0.5057
LTP	LAG6	19	9.516912	2.634215	0.00199	-0.94049	0.381827	0.024081	0.2521

var1	var2	corr	n	pvalue	fishersz	sigmaz	195	u95
AFDW	ASH	-0.94286	6	0.004805	-1.76318	0.57735	-0.9939	-0.55913
AFDW	DRYWT	-0.37143	6	0.468478	-0.39008	0.57735	-0.90899	0.630067
AFDW	HCL_SRP		0					
AFDW	K		0					
AFDW	OX_AL	0.6	5	0.284757	0.693147	0.707107	-0.59977	0.969209
AFDW	OX_FE	0.5	5	0.391002	0.549306	0.707107	-0.68402	0.959154
AFDW	TC	0.885714	6	0.018845	1.40168	0.57735	0.263693	0.987471
AFDW	TCA	-0.94286	6	0.004805	-1.76318	0.57735	-0.9939	-0.55913
AFDW	TIP	0.714286	6	0.110787	0.89588	0.57735	-0.23146	0.965919
AFDW	TN	0.771429	6	0.072397	1.023846	0.57735	-0.10734	0.973513
AFDW	TOC		0					
AFDW	TOTAL_AL	-0.02857	6	0.957155	-0.02858	0.57735	-0.8211	0.801584
AFDW	TOTAL_FE	-0.11595	6	0.826848	-0.11648	0.57735	-0.84775	0.767875
AFDW	TOTAL_K	-0.14286	6	0.787172	-0.14384	0.57735	-0.85527	0.756408
AFDW	TOTAL_MG	-0.81168	6	0.049858	-1.13193	0.57735	-0.97861	-0.00033
AFDW	TP	0.714286	6	0.110787	0.89588	0.57735	-0.23146	0.965919
ASH	DRYWT	0.030435	24	0.887734	0.030444	0.218218	-0.3776	0.428576
ASH	HCL_SRP	0.257143	6	0.622787	0.263047	0.57735	-0.70064	0.88419
ASH	K	-0.37143	6	0.468478	-0.39008	0.57735	-0.90899	0.630067
ASH	OX_AL	-0.60049	17	0.010808	-0.69391	0.267261	-0.83899	-0.16846
ASH	OX_FE	-0.2195	17	0.39729	-0.22313	0.267261	-0.63333	0.291957
ASH	TC	-0.91478	24	3.98E-10	-1.55608	0.218218	-0.96286	-0.81046
ASH	TCA	0.953893	24	5.57E-13	1.873308	0.218218	0.89482	0.980136
ASH	TIP	-0.06089	18	0.81033	-0.06096	0.258199	-0.51318	0.417869
ASH	TN	-0.56	24	0.00443	-0.63283	0.218218	-0.78587	-0.2023
ASH	TOC		0					
ASH	TOTAL_AL	-0.23826	24	0.262218	-0.24293	0.218218	-0.5854	0.182703
ASH	TOTAL_FE	-0.36842	24	0.076486	-0.38659	0.218218	-0.67196	0.041089
ASH	TOTAL_K	0.178812	18	0.477751	0.180755	0.258199	-0.3143	0.595938
ASH	TOTAL_MG	0.605046	24	0.001734	0.701069	0.218218	0.26675	0.8106
ASH	TP	-0.14174	24	0.508832	-0.1427	0.218218	-0.51566	0.277533
DRYWT	HCL_SRP	-0.54286	6	0.265703	-0.6082	0.57735	-0.9402	0.480327
DRYWT	K	-0.48571	6	0.328723	-0.53044	0.57735	-0.93049	0.537882
DRYWT	OX_AL	0.171569	17	0.510266	0.173282	0.267261	-0.33686	0.602533
DRYWT	OX_FE	0.516248	17	0.033878	0.571211	0.267261	0.047343	0.798711
DRYWT	TC	-0.07187	30	0.705886	-0.07199	0.19245	-0.42123	0.296075
DRYWT	TCA	-0.12639	30	0.50571	-0.12707	0.19245	-0.46547	0.245043
DRYWT	TIP	-0.16609	24	0.437967	-0.16764	0.218218	-0.53373	0.254358
DRYWT	TN	-0.08699	30	0.647626	-0.08721	0.19245	-0.43367	0.282131
DRYWT	TOC	-0.48571	6	0.328723	-0.53044	0.57735	-0.93049	0.537882
DRYWT	TOTAL_AL	0.157098	30	0.407067	0.15841	0.19245	-0.21537	0.48966
DRYWT	TOTAL_FE	0.058084	30	0.760459	0.058149	0.19245	-0.30865	0.409784
DRYWT	TOTAL_K	-0.26844	24	0.204694	-0.27518	0.218218	-0.6062	0.151357
DRYWT	TOTAL_MG	-0.17538	30	0.35392	-0.17722	0.19245	-0.50382	0.197362
DRYWT	TP	-0.00912	30	0.961846	-0.00912	0.19245	-0.36819	0.352312
HCL_SRP	K	0.6	6	0.208	0.693147	0.57735	-0.41237	0.94931
HCL_SRP	OX_AL		0					
HCL_SRP	OX_FE		0					
HCL_SRP	TC	-0.31429	6	0.544093	-0.32529	0.57735	-0.89705	0.667551
HCL_SRP	TCA	0.142857	6	0.787172	0.143841	0.57735	-0.75641	0.855267

HCL_SRP	TIP		0					
HCL_SRP	TN	0.885714	6	0.018845	1.40168	0.57735	0.263693	0.987471
HCL_SRP	TOC		0					
HCL_SRP	TOTAL_AL	0.142857	6	0.787172	0.143841	0.57735	-0.75641	0.855267
HCL_SRP	TOTAL_FE	-0.25714	6	0.622787	-0.26305	0.57735	-0.88419	0.700642
HCL_SRP	TOTAL_K		0					
HCL_SRP	TOTAL_MG	-0.37143	6	0.468478	-0.39008	0.57735	-0.90899	0.630067
HCL_SRP	TP	1	6	0				
K	OX_AL		0					
K	OX_FE		0					
K	TC	0.314286	6	0.544093	0.325294	0.57735	-0.66755	0.897049
K	TCA	-0.25714	6	0.622787	-0.26305	0.57735	-0.88419	0.700642
K	TIP		0					
K	TN	0.6	6	0.208	0.693147	0.57735	-0.41237	0.94931
K	TOC		0					
K	TOTAL_AL	-0.6	6	0.208	-0.69315	0.57735	-0.94931	0.412367
K	TOTAL_FE	-0.42857	6	0.396501	-0.45815	0.57735	-0.92011	0.587252
K	TOTAL_K		0					
K	TOTAL_MG	-0.54286	6	0.265703	-0.6082	0.57735	-0.9402	0.480327
K	TP	0.6	6	0.208	0.693147	0.57735	-0.41237	0.94931
OX_AL	OX_FE	0.641324	17	0.005526	0.76042	0.267261	0.232271	0.857614
OX_AL	TC	0.54902	17	0.022461	0.616977	0.267261	0.092876	0.814686
OX_AL	TCA	-0.69283	17	0.002049	-0.85337	0.267261	-0.88032	-0.31811
OX_AL	TIP	-0.52941	17	0.028856	-0.58933	0.267261	-0.80518	-0.0654
OX_AL	TN	0.612745	17	0.008919	0.713305	0.267261	0.187238	0.844637
OX_AL	TOC		0					
OX_AL	TOTAL_AL	0.867647	17	6.43E-06	1.323481	0.267261	0.663841	0.951492
OX_AL	TOTAL_FE	0.803188	17	0.000103	1.107532	0.267261	0.52535	0.926256
OX_AL	TOTAL_K	-0.08717	17	0.739384	-0.08739	0.267261	-0.54499	0.410689
OX_AL	TOTAL_MG	-0.15686	17	0.547681	-0.15817	0.267261	-0.59282	0.350193
OX_AL	TP	-0.39951	17	0.112118	-0.42307	0.267261	-0.73838	0.100427
OX_FE	TC	-0.00368	17	0.98882	-0.00368	0.267261	-0.48348	0.477818
OX_FE	TCA	-0.35092	17	0.167258	-0.36649	0.267261	-0.71155	0.156054
OX_FE	TIP	-0.46229	17	0.061711	-0.50022	0.267261	-0.77151	0.023604
OX_FE	TN	0.240343	17	0.352784	0.245139	0.267261	-0.2717	0.64633
OX_FE	TOC		0					
OX_FE	TOTAL_AL	0.698958	17	0.001797	0.86526	0.267261	0.328752	0.882971
OX_FE	TOTAL_FE	0.585276	17	0.01358	0.67045	0.267261	0.145577	0.831902
OX_FE	TOTAL_K	-0.0645	17	0.80574	-0.06459	0.267261	-0.52876	0.429469
OX_FE	TOTAL_MG	0.275904	17	0.283758	0.283244	0.267261	-0.23605	0.667974
OX_FE	TP	-0.29307	17	0.253614	-0.30192	0.267261	-0.67819	0.218336
TC	TCA	-0.84166	30	5.63E-09	-1.22684	0.19245	-0.92227	-0.69088
TC	TIP	0.033051	24	0.878152	0.033063	0.218218	-0.37536	0.430711
TC	TN	0.639893	30	0.00014	0.757993	0.19245	0.363394	0.81279
TC	TOC	0.085714	6	0.871743	0.085925	0.57735	-0.78012	0.838925
TC	TOTAL_AL	0.063759	30	0.737834	0.063845	0.19245	-0.30349	0.414512
TC	TOTAL_FE	0.28422	30	0.127964	0.292267	0.19245	-0.08473	0.584631
TC	TOTAL_K	-0.25174	24	0.23536	-0.25727	0.218218	-0.59475	0.168805
TC	TOTAL_MG	-0.55904	30	0.001321	-0.63144	0.19245	-0.7652	-0.2489
TC	TP	0.128824	30	0.497485	0.129544	0.19245	-0.24272	0.467406
TCA	TIP	0.068276	24	0.751247	0.068382	0.218218	-0.34462	0.459036
TCA	TN	-0.49955	30	0.004944	-0.54871	0.19245	-0.72868	-0.16985

TCA	TOC	-0.02857	6	0.957155	-0.02858	0.57735	-0.8211	0.801584
TCA	TOTAL_AL	-0.12631	30	0.505993	-0.12699	0.19245	-0.4654	0.245122
TCA	TOTAL_FE	-0.33868	30	0.067144	-0.3526	0.19245	-0.62294	0.024601
TCA	TOTAL_K	0.014578	24	0.946098	0.014579	0.218218	-0.39113	0.415538
TCA	TOTAL_MG	0.511242	30	0.003886	0.56441	0.19245	0.185051	0.735962
TCA	TP	-0.01446	30	0.939532	-0.01446	0.19245	-0.3728	0.347623
TIP	TN	0.187826	24	0.379458	0.190083	0.218218	-0.23325	0.549587
TIP	TOC	-0.71429	6	0.110787	-0.89588	0.57735	-0.96592	0.231455
TIP	TOTAL_AL	-0.5411	24	0.006325	-0.60572	0.218218	-0.77528	-0.17615
TIP	TOTAL_FE	-0.34841	24	0.095217	-0.36364	0.218218	-0.65917	0.063984
TIP	TOTAL_K	-0.19273	24	0.366898	-0.19518	0.218218	-0.55313	0.228429
TIP	TOTAL_MG	-0.12486	24	0.561015	-0.12552	0.218218	-0.50293	0.293314
TIP	TP	0.923478	24	1.27E-10	1.612158	0.218218	0.82885	0.966738
TN	TOC	-0.6	6	0.208	-0.69315	0.57735	-0.94931	0.412367
TN	TOTAL_AL	0.278149	30	0.136673	0.285674	0.19245	-0.09127	0.580275
TN	TOTAL_FE	0.407255	30	0.025504	0.432316	0.19245	0.055058	0.669324
TN	TOTAL_K	-0.40374	24	0.050401	-0.42811	0.218218	-0.6941	-0.0004
TN	TOTAL_MG	-0.40953	30	0.024618	-0.43504	0.19245	-0.67083	-0.05777
TN	TP	0.301891	30	0.104943	0.311599	0.19245	-0.06551	0.597211
TOC	TOTAL_AL	0.695725	6	0.124789	0.858967	0.57735	-0.26608	0.963356
TOC	TOTAL_FE	0.371429	6	0.468478	0.390079	0.57735	-0.63007	0.908991
TOC	TOTAL_K	0.828571	6	0.041563	1.183562	0.57735	0.051909	0.980685
TOC	TOTAL_MG	0.6	6	0.208	0.693147	0.57735	-0.41237	0.94931
TOC	TP	-0.77143	6	0.072397	-1.02385	0.57735	-0.97351	0.107345
TOTAL_AL	TOTAL_FE	0.690373	30	2.42E-05	0.848668	0.19245	0.439383	0.841377
TOTAL_AL	TOTAL_K	-0.28988	24	0.169435	-0.29844	0.218218	-0.6207	0.128556
TOTAL_AL	TOTAL_MG	-0.05109	30	0.788607	-0.05114	0.19245	-0.40393	0.314982
TOTAL_AL	TP	-0.38362	30	0.036373	-0.4043	0.19245	-0.65357	-0.02709
TOTAL_FE	TOTAL_K	-0.19173	24	0.369449	-0.19413	0.218218	-0.55241	0.229417
TOTAL_FE	TOTAL_MG	-0.05844	30	0.759019	-0.05851	0.19245	-0.41008	0.308324
TOTAL_FE	TP	-0.25682	30	0.170696	-0.2627	0.19245	-0.56483	0.114008
TOTAL_K	TOTAL_MG	0.45973	24	0.023808	0.496969	0.218218	0.069151	0.728102
TOTAL_K	TP	-0.26409	24	0.21241	-0.27049	0.218218	-0.60323	0.15593
TOTAL_MG	TP	-0.22502	30	0.23189	-0.22893	0.19245	-0.5414	0.147191