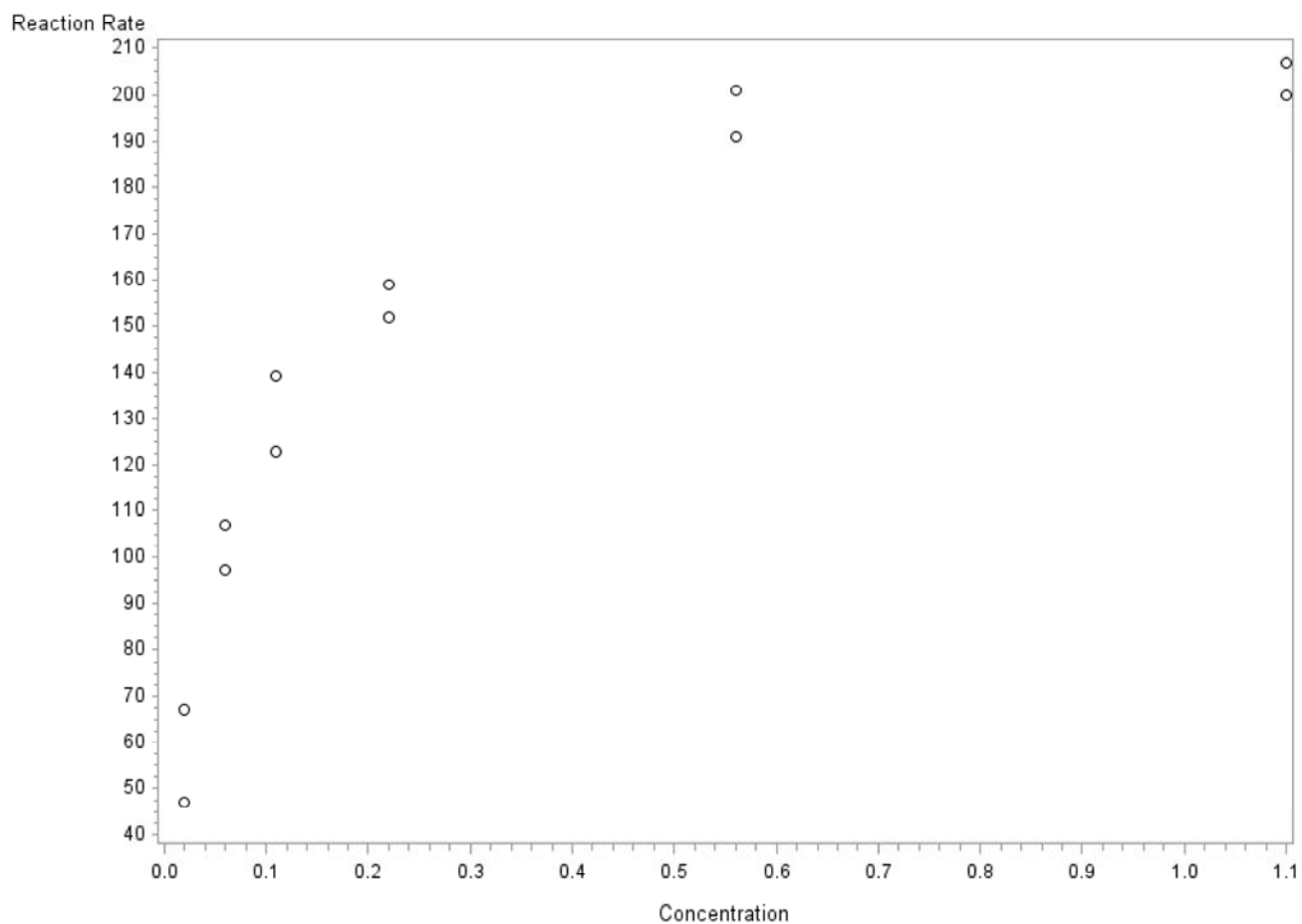
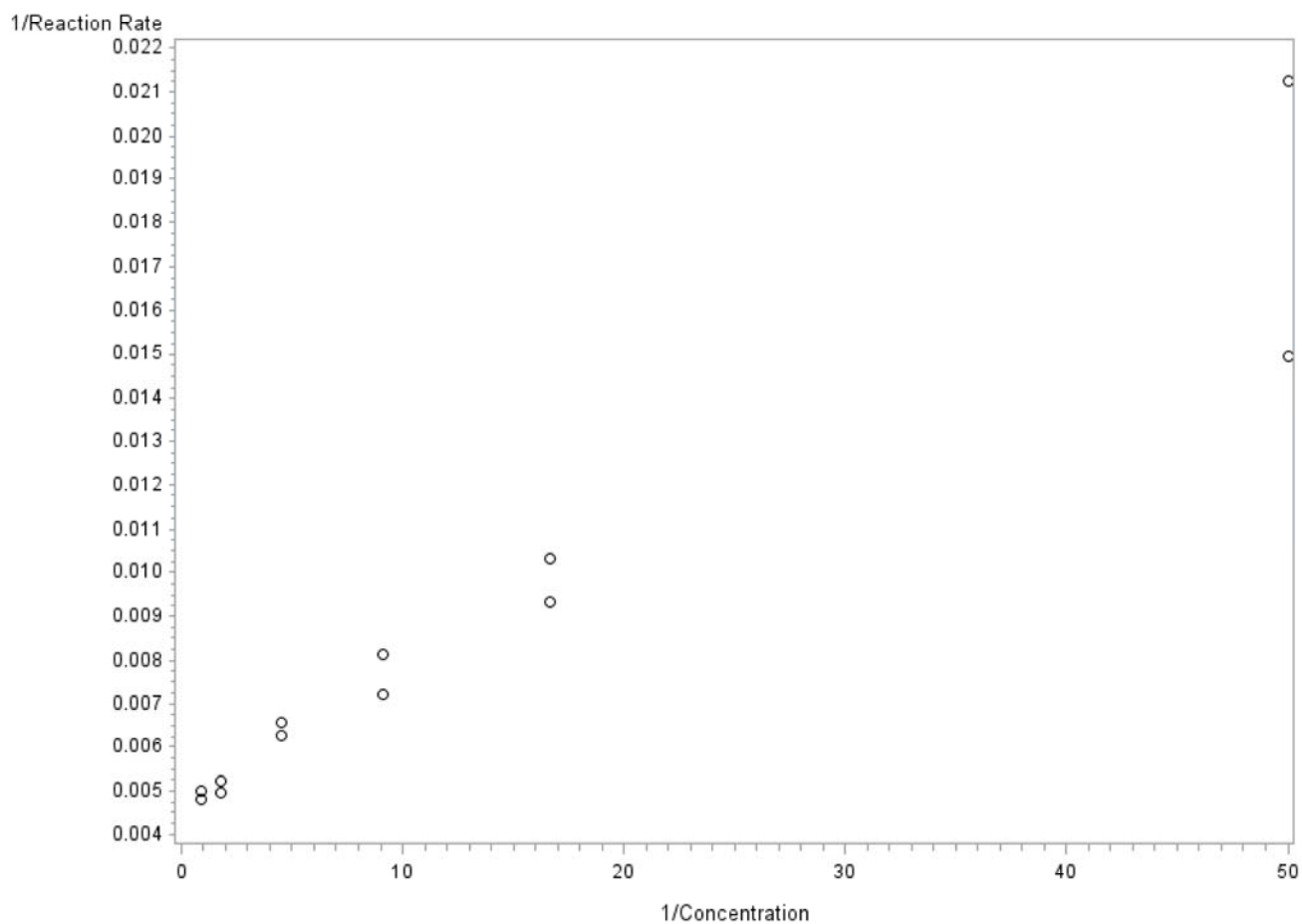


**Reaction Rate v. Concentration**

### Inverse of Reaction Rate v. Inverse of Concentration



# Inverse of Reaction Rate v. Inverse of Concentration

The REG Procedure  
Model: MODEL1  
Dependent Variable: vinv

Number of Observations Read	12
Number of Observations Used	12

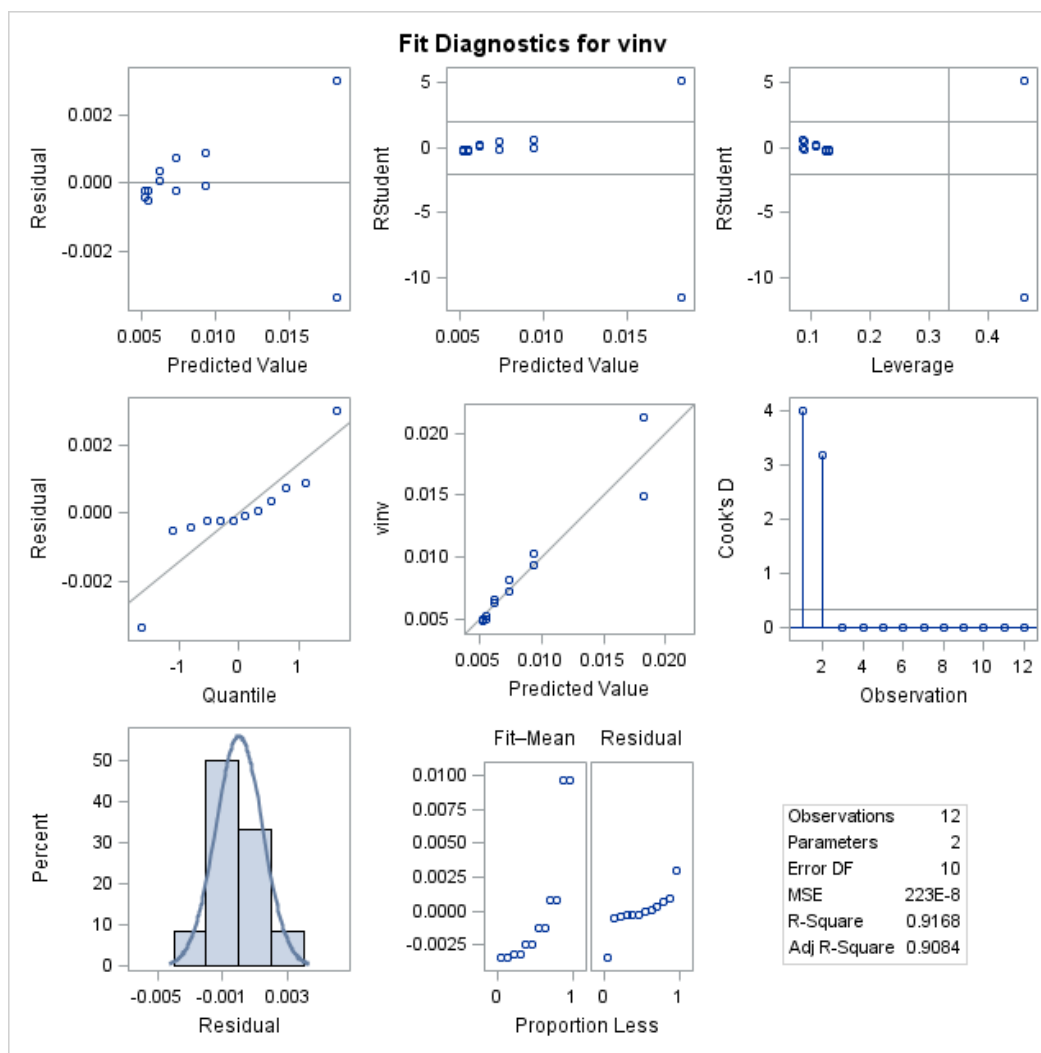
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0.00024511	0.00024511	110.13	<.0001
Error	10	0.00002226	0.00000223		
Corrected Total	11	0.00026736			

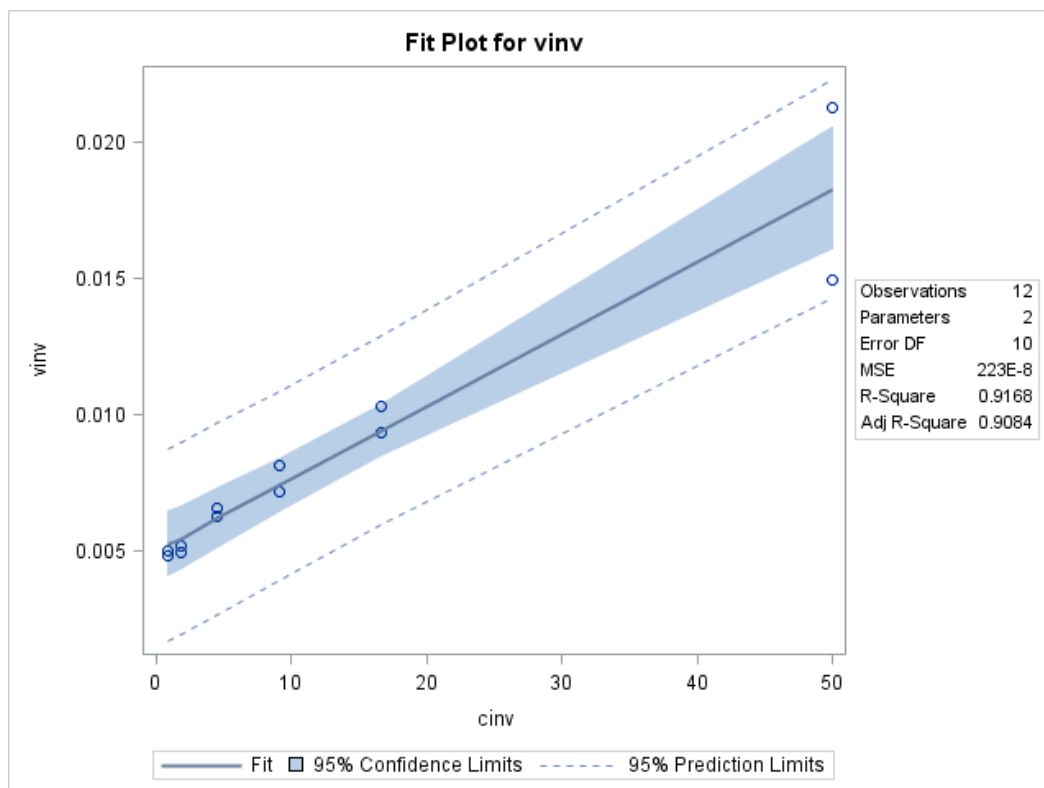
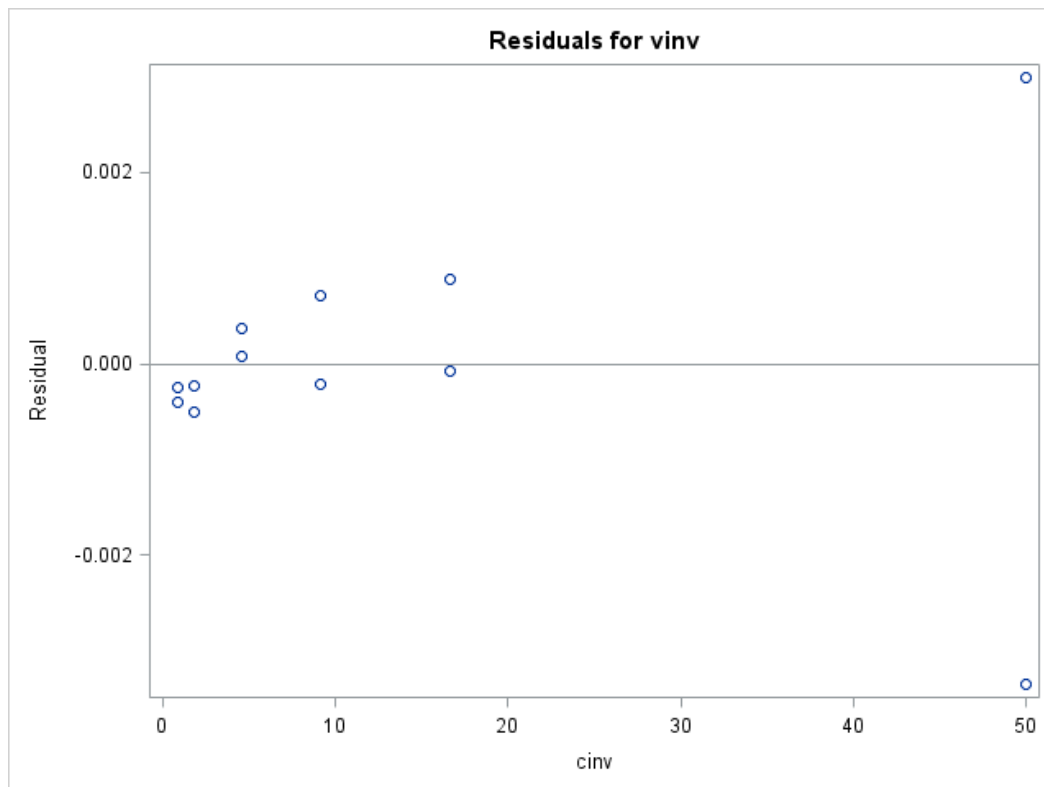
Root MSE	0.00149	R-Square	0.9168
Dependent Mean	0.00867	Adj R-Sq	0.9084
Coeff Var	17.19889		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	0.00500	0.00055504	9.01	<.0001
cinv	1	0.00026562	0.00002531	10.49	<.0001

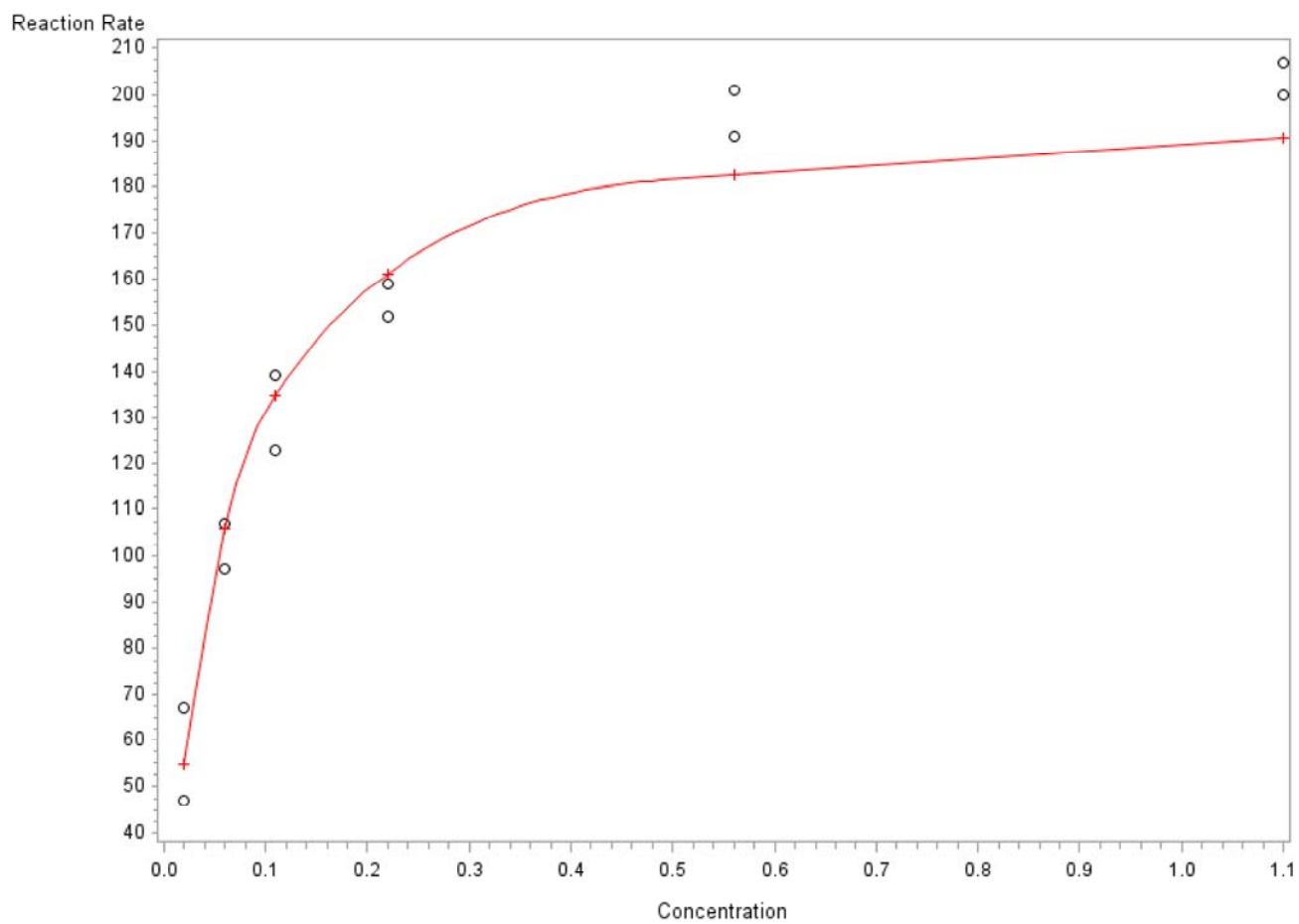
## Inverse of Reaction Rate v. Inverse of Concentration

The REG Procedure  
Model: MODEL1  
Dependent Variable: vinv





### Reaction Rate v. Concentration



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**Reaction Rate v. Concentration**

Obs	concentration	rxnRate	cinv	vinv	pred	resid	predv
1	0.02	67	50.0000	0.014925	0.018281	-.003355652	54.702
2	0.02	47	50.0000	0.021277	0.018281	0.002995570	54.702
3	0.06	97	16.6667	0.010309	0.009427	0.000882315	106.079
4	0.06	107	16.6667	0.009346	0.009427	-.000081169	106.079
5	0.11	123	9.0909	0.008130	0.007415	0.000715405	134.868
6	0.11	139	9.0909	0.007194	0.007415	-.000220432	134.868
7	0.22	159	4.5455	0.006289	0.006207	0.000082004	161.101
8	0.22	152	4.5455	0.006579	0.006207	0.000371643	161.101
9	0.56	191	1.7857	0.005236	0.005474	-.000238655	182.673
10	0.56	201	1.7857	0.004975	0.005474	-.000499133	182.673
11	1.10	207	0.9091	0.004831	0.005241	-.000410489	190.788
12	1.10	200	0.9091	0.005000	0.005241	-.000241407	190.788