

Model Performance

Model	Data
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Weighted KNN model

5-fold CV (75%)		Training (75%)		Test (25%)	
Q2	RMSE	R2	RMSE	R2	RMSE
0.95	0.69	0.95	0.65	0.96	0.68

## Model Results

**Predicted value:** 5.98

**Global applicability domain:** Inside

**Local applicability domain index:** 9.58e-01

**Confidence level:** 8.55e-01

## Nearest Neighbors from the Training Set

[Image not found](#)

Biphenyl

**Measured:** 6.15

**Predicted:** 5.83

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1-Chloronaphthalene

**Measured:** 5.80

**Predicted:** 5.80

[Image not found](#)

2-Chloronaphthalene

**Measured:** 5.80

**Predicted:** 5.80

[Image not found](#)

Pentachlorobenzene

**Measured:** 6.49

**Predicted:** 6.59

[Image not found](#)

1,2,4,5-Tetrachlorobenzene

**Measured:** 5.63

**Predicted:** 5.67