

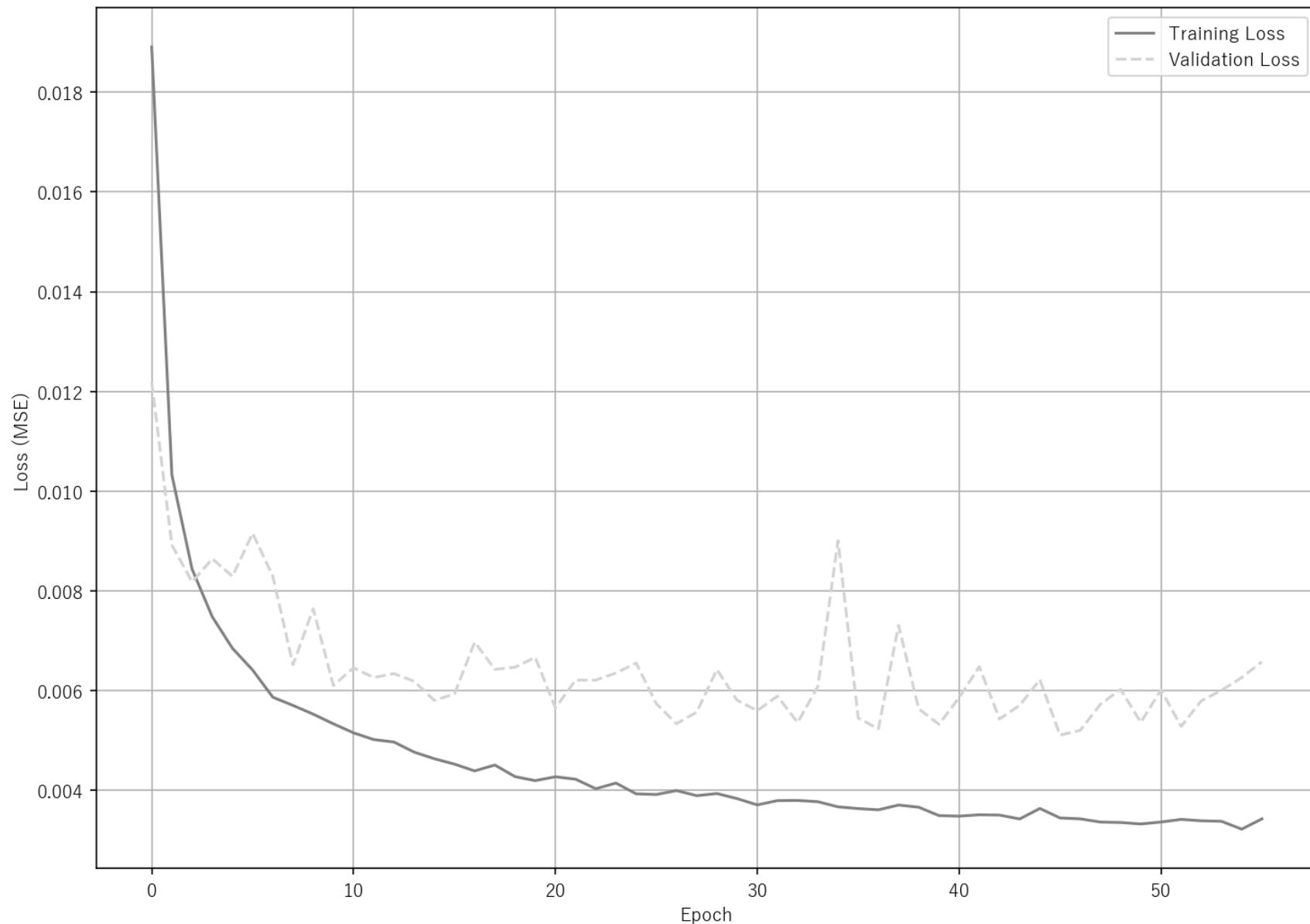
# MLP Parameter Selection Report - 西条

Prefecture code	38
Station code	38206050
Station name	西条
Target item	Ox(ppm)
Number of train samples	17996
Number of validation samples	4500
Number of features	600
Model	MLP
Lag	24
Epochs	200
Batch size	128
Learning rate	0.0005
Hidden units	[128, 64, 32]
Dropout	0.1
Patience	10
Best validation loss	0.005108
Residuals mean	0.000305
Residuals median	-0.000174
Residuals mode	-0.002463
Residuals std	0.006854
Residuals skew	0.136
Residuals kurtosis	2.125

### Model accuracy

Target	R <sup>2</sup>	MAE	RMSE
Ox(ppm)	0.8865	0.0051	0.0069

Learning Curve (MLP)  
Best Validation Loss: 0.00511



MLP Regression (lag features)  
 $R^2: 0.88650$

