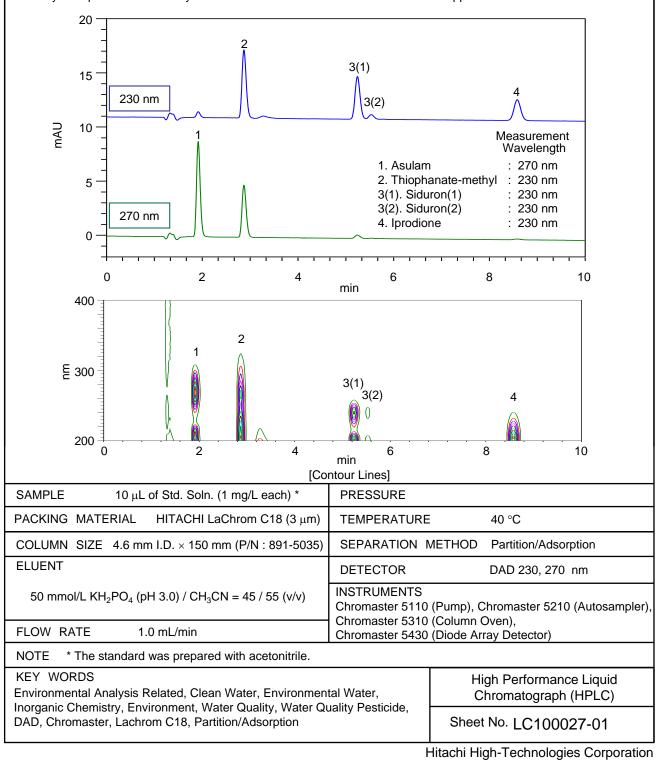
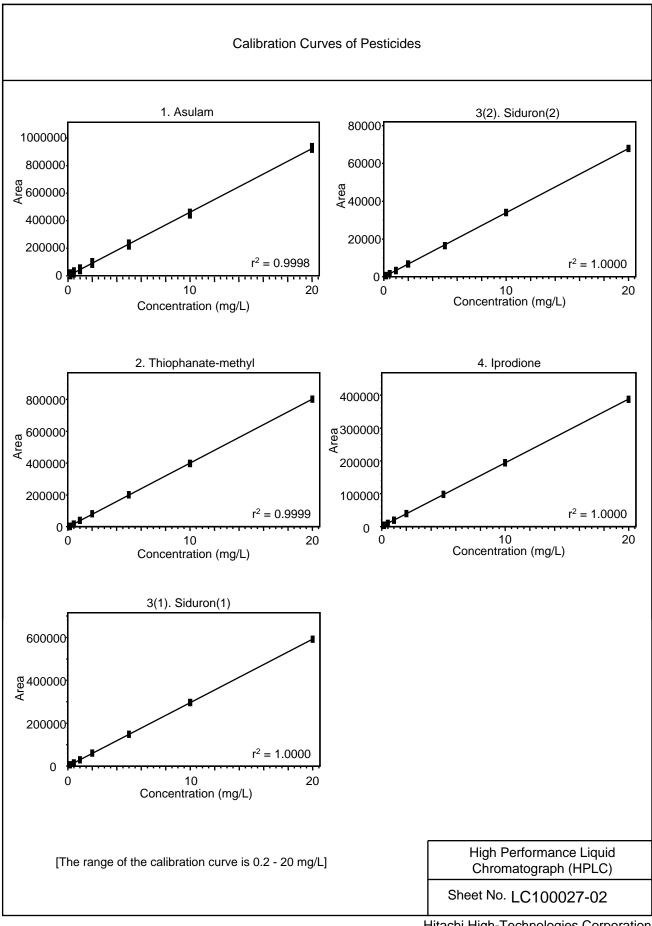
## Analysis of 4 Pesticides in Water-Quality Control

Among the pesticides specified under the "Complementary Items for Water Quality Management in Japan", four components, iprodione, asulam, thiophanate-methyl, and siduron, are to be analyzed at the same time by HPLC or by using the LC/MS method. As for the analysis accuracy, it is stated that the analysis for 1/100 of the target value (0.003 mg/L, 0.002 mg/L for asulam) must be performed with the variation coefficient of 20 % or less. As the sample is concentrated by 500 times during the preparation, the concentration to be measured by HPLC is 1.5 mg/L (1.0 mg/L for asulam). By using the DAD system which provides a high sensitivity, the sufficient analysis is possible. The analysis conditions were studied in accordance with "Appendix 9".





Hitachi High-Technologies Corporation