

OLI Tips #17

Displaying Tabular Polarization Rate Data in the CorrosionAnalyzer?

To display the polarization rate data in tabular you will need to customize the report. After the calculation has completed, click on the **Report** tab.

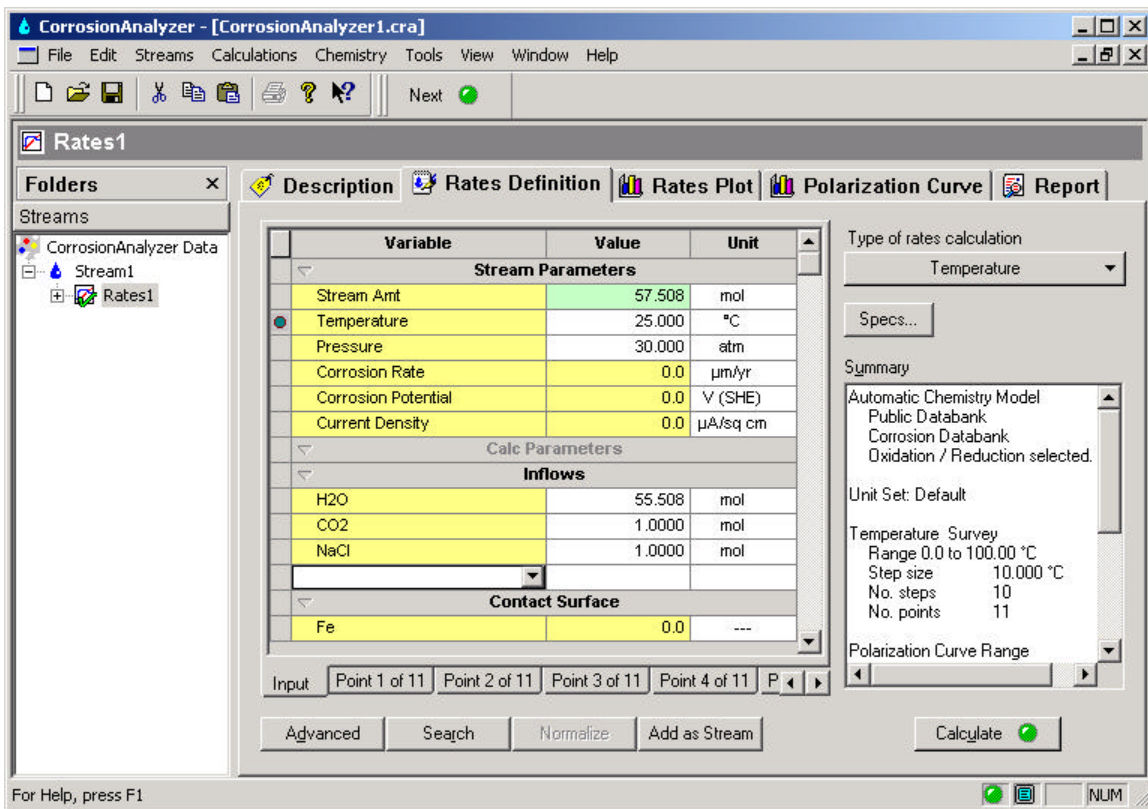


Figure 1 The rates calculation has finished.

You will see the default report for the rates of corrosion. The Polarization data is not included since the total amount of data is quite lengthy. To see this data, click on the **Customize** button.

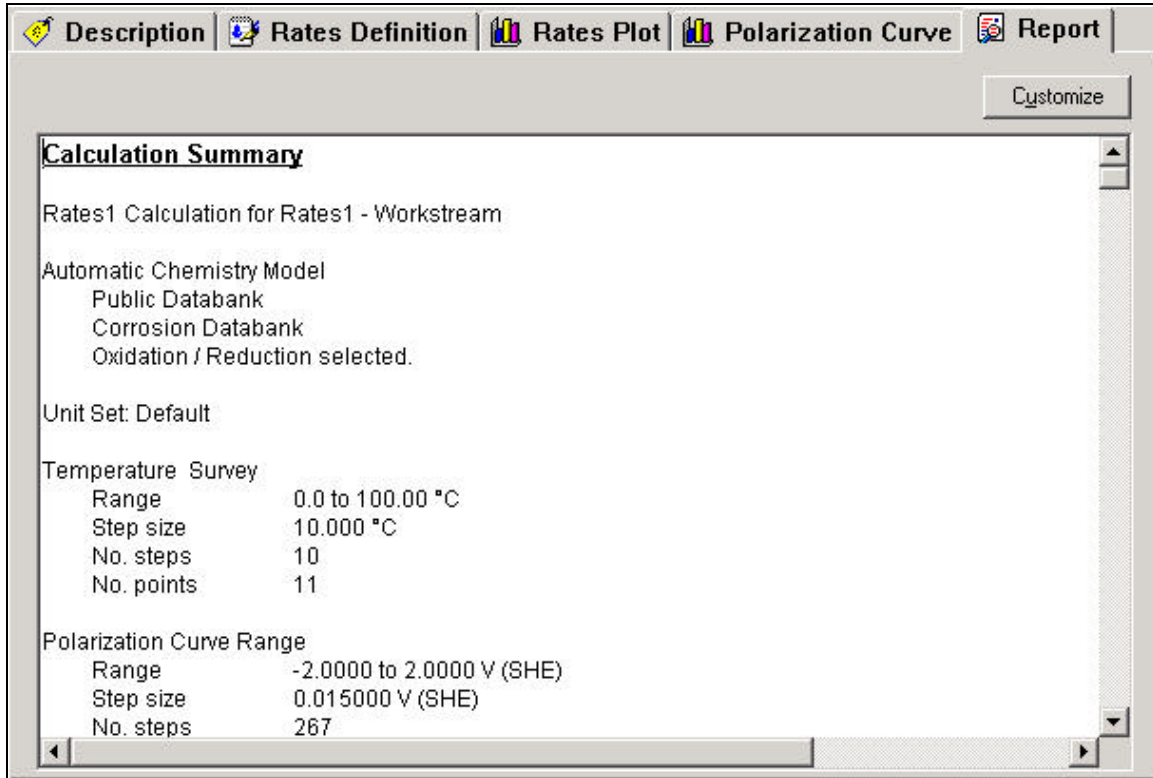


Figure 2 The default report for the rates of corrosion.

On the **Report Contents** tab, check the **Polarization Curves** box. This will place the tabular polarization curve data into the report.

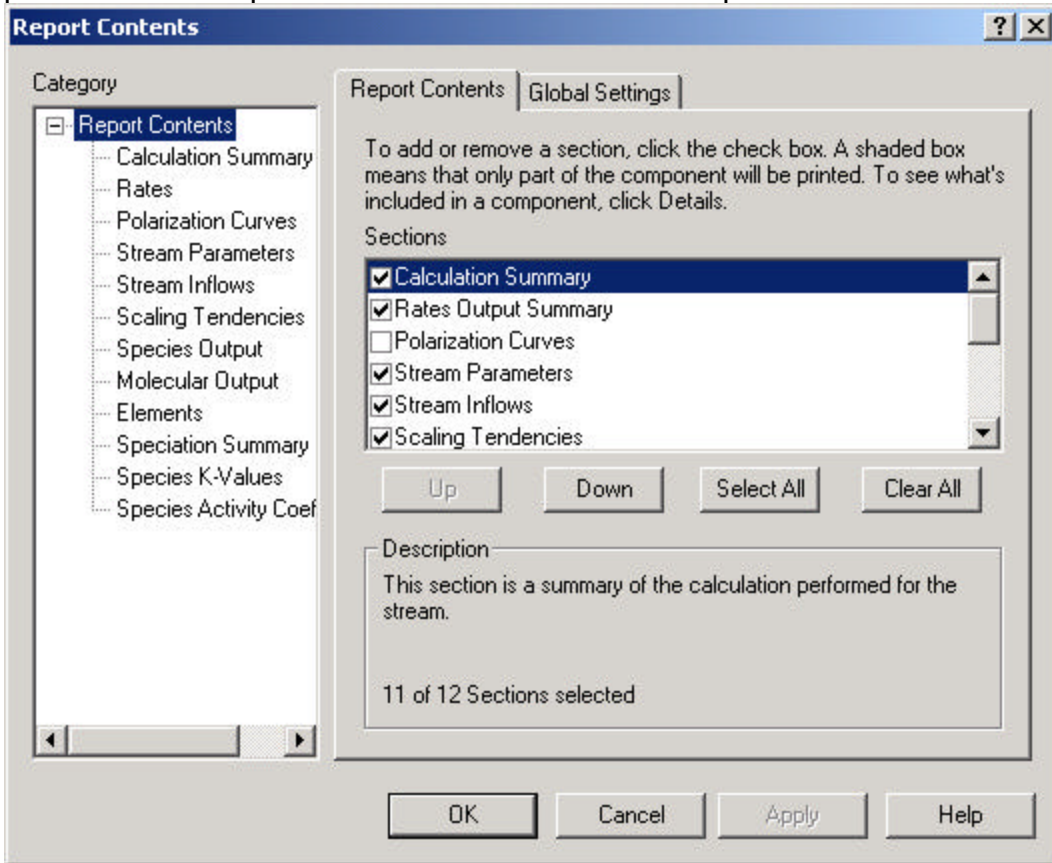


Figure 3 The default customize options. Polarization curves is unchecked.

In the **Category** window, select **Polarization Curves**. This will display a list of reactions in the window on the right. Select the curves you want by checking the appropriate boxes. By default, all boxes are checked.

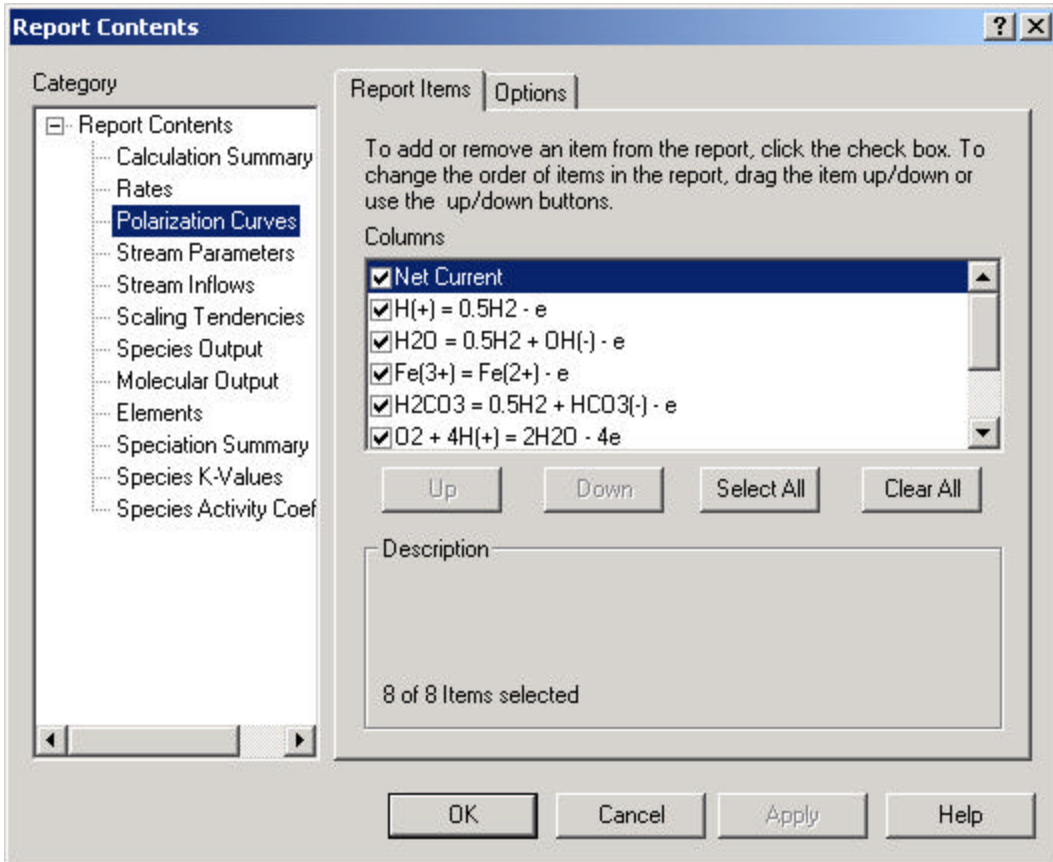


Figure 4 Selecting reactions

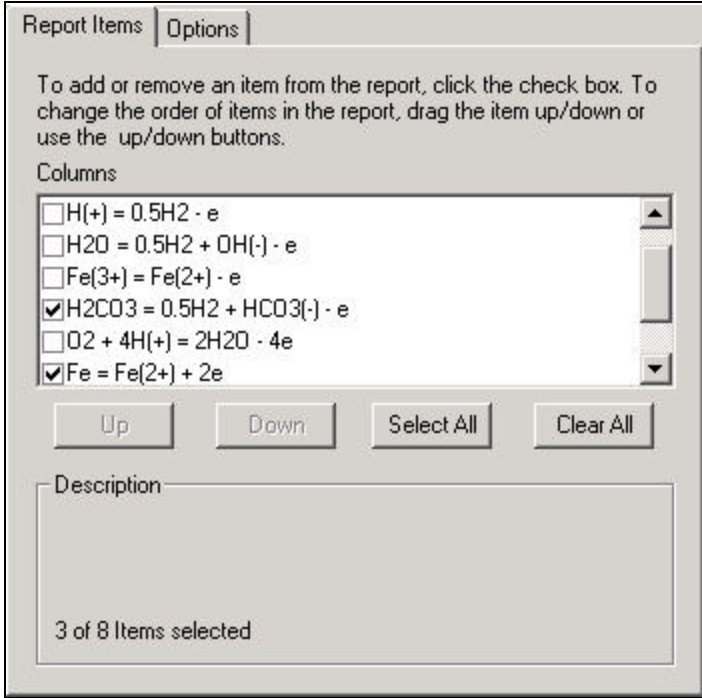


Figure 5 Selecting only a few reactions

Click the **OK** button and you will be returned to the main report. Scroll down to find the polarization curve tabular data.

90.000	-0.37700	8678.3	1.0070e5
100.00	-0.37010	7367.3	85486
Polarization Curves			
Temp	E	Net Current	H2CO3 = 0 .5H2 + HCO3(-))- e
°C	V (SHE)	µA/sq cm	Fe = Fe(2+) + 2e
0	-2	1	µA/sq cm
		.68288e+013	-542.51
0	-1.98502	1	µA/sq cm
		.22418e+013	-542.51
0	-1.97004	8	µA/sq cm
		.90506e+012	-542.51
0	-1.95506	6	µA/sq cm
		.47783e+012	-542.51
0	-1.94007	4	µA/sq cm
		.71218e+012	-542.51
0	-1.92509	3	µA/sq cm
		.42779e+012	-542.51

Figure 6 Scrolling down to find the tabular polarization curve data.