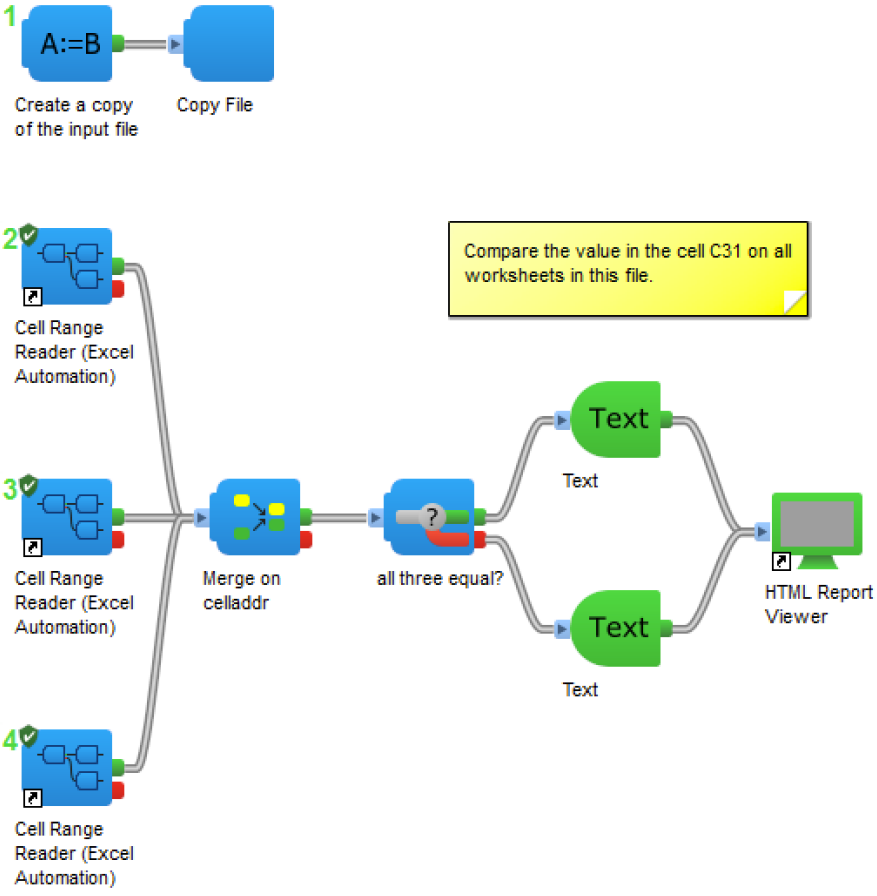
06 Match Data on Different Worksheets

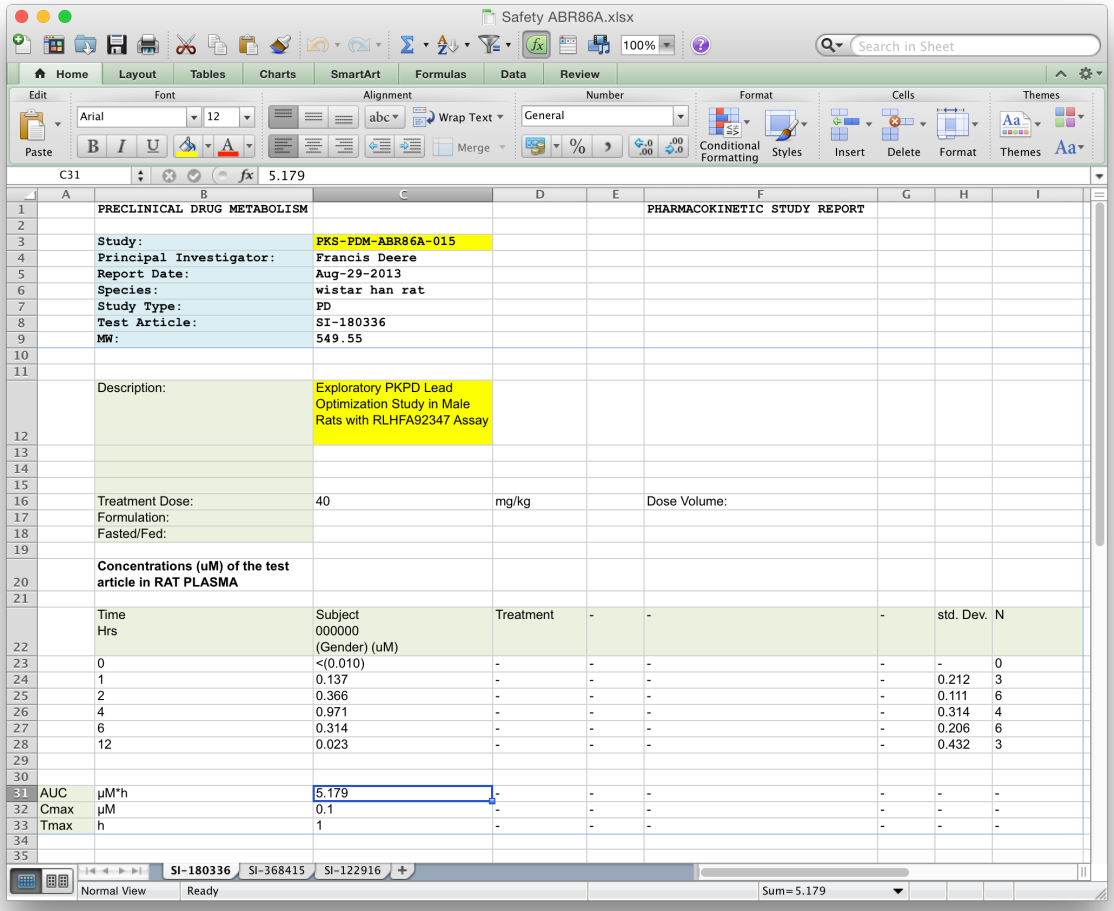
Purpose

Automatically match cell values between three locations across worksheets in the same Excel file, and identify discrepancies.



Workflow

In this example we read cell C31 on each of the three worksheets in the file `data/Safety ABR86A.xlsx` and compare the values.



Before reading any data we make a copy of the input file in the job directory. The original input file is shared by all users of the exercise: creating a copy helps ensure it is not accidentally modified if you later decide to use a writer component on it.

Using the **Cell Range Reader** component, we read from our copy of the file and extract the values from the three C31 cells (one on each worksheet). We send them into Pipeline Pilot as data records with the property “value”. Using a PilotScript filter component we compare the three values and if they differ, generate an alert in a web browser window.

On the first worksheet, the value is 5.179. On the second, 5.72. On the third, 4.912. An alert is generated.

Results

Here is the result of the protocol.