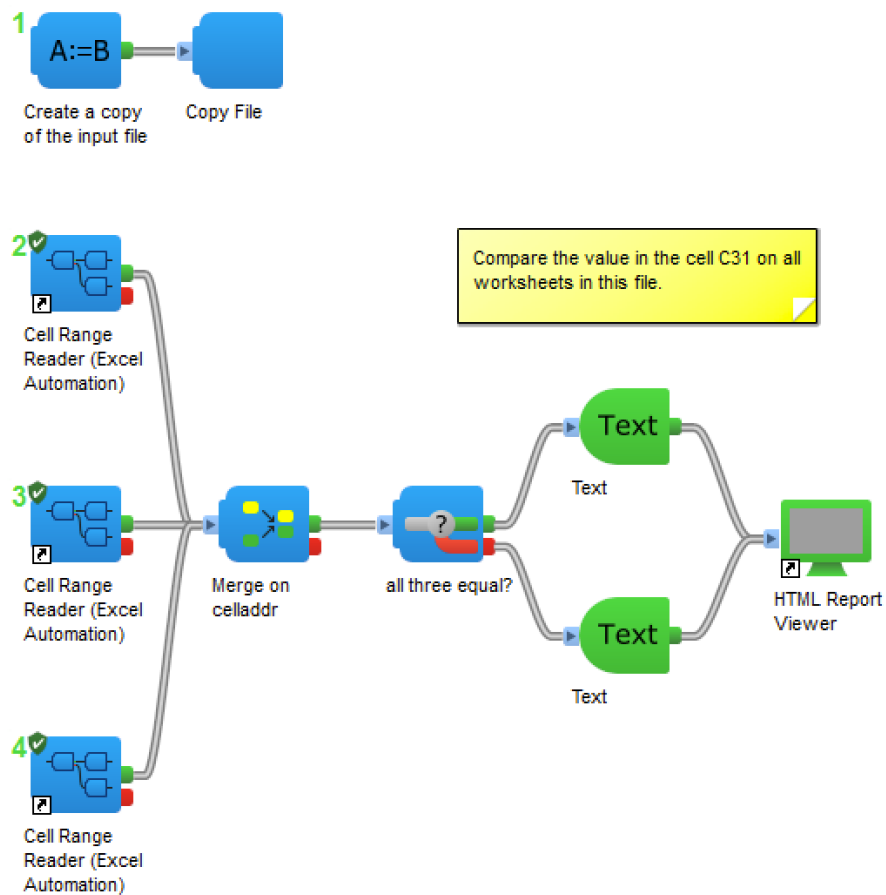


## 06 Match Data on Different Worksheets

### 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.

PRECLINICAL DRUG METABOLISM			PHARMACOKINETIC STUDY REPORT					
Study:	PKS-PDM-ABR86A-015							
Principal Investigator:	Francis Deere							
Report Date:	Aug-29-2013							
Species:	wistar han rat							
Study Type:	PD							
Test Article:	SI-180336							
MW:	549.55							
Description:	Exploratory PKPD Lead Optimization Study in Male Rats with RLHFA92347 Assay							
Treatment Dose:	40	mg/kg	Dose Volume:					
Formulation:								
Fasted/Fed:								
Concentrations (uM) of the test article in RAT PLASMA								
Time Hrs	Subject 000000 (Gender) (uM)	Treatment	-	-	-	-	std. Dev.	N
0	<(0.010)	-	-	-	-	-	-	0
1	0.137	-	-	-	-	-	0.212	3
2	0.366	-	-	-	-	-	0.111	6
4	0.971	-	-	-	-	-	0.314	4
6	0.314	-	-	-	-	-	0.206	6
12	0.023	-	-	-	-	-	0.432	3
AUC	uM*h	5.179	-	-	-	-	-	-
Cmax	uM	0.1	-	-	-	-	-	-
Tmax	h	1	-	-	-	-	-	-

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.

