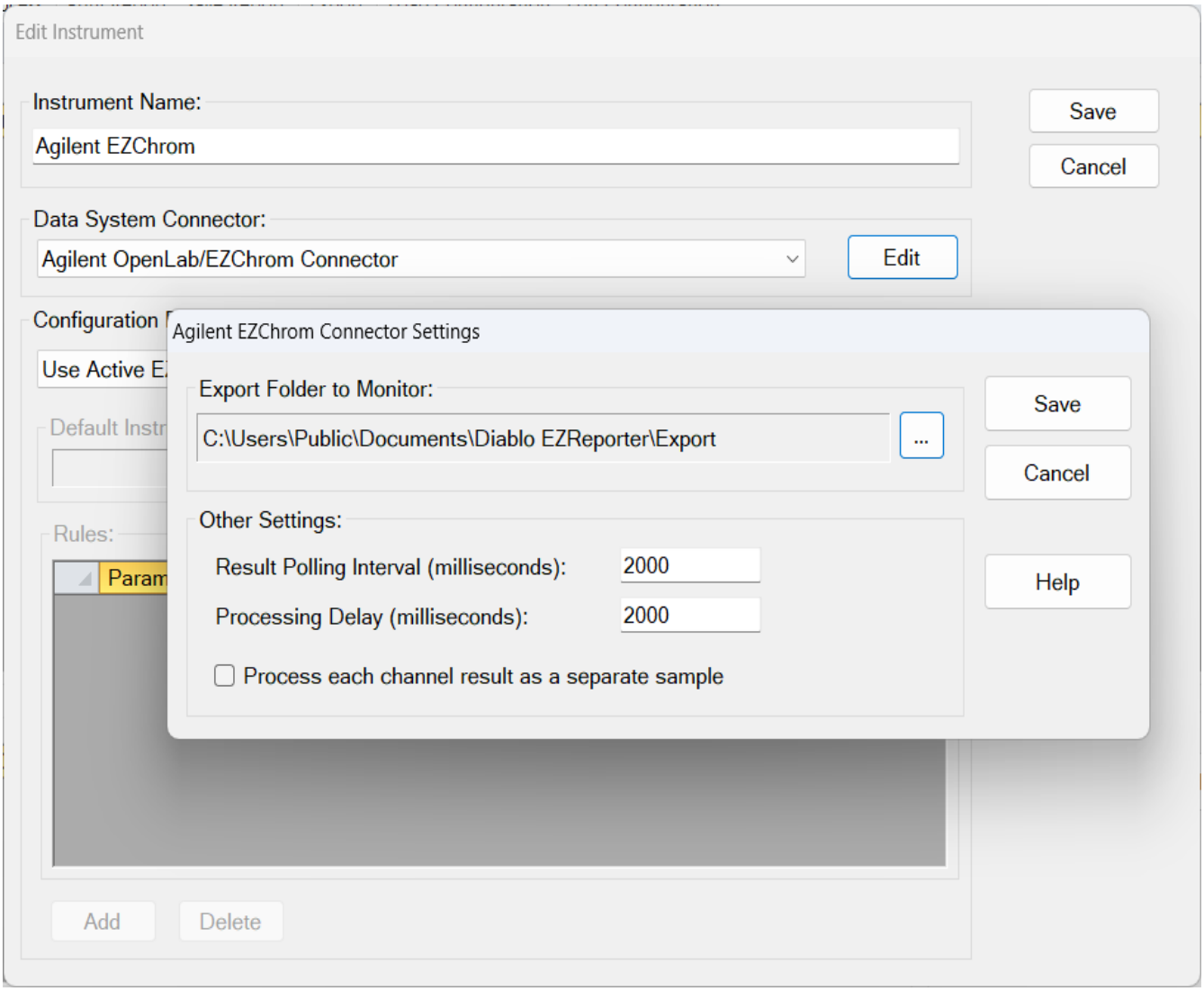
Diablo EZReporter 4.0

Agilent EZChrom Connector Plugin



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Diablo EZReporter 4.0

Agilent EZChrom Connector Plugin

Reference Manual

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Table of Contents

EZChrom Connector Plugin 6

Getting Started 6

Configure EZChrom 6

Configure EZChrom for Data Export 6

Configure the EZReporter Instrument 9

Add an EZReporter Instrument 9

Select the Data System Connector 9

Configure the Connector 10

Index 13

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1 EZChrom Connector Plugin

1.1 Getting Started

This document describes how to configure the Agilent EZChrom chromatography data system (both “legacy” and “OpenLab” versions) and the EZReporter 4.0 EZChrom Connector Plugin so that results can be processed automatically at the end of each run.

1.2 Configure EZChrom

The Diablo EZReporter software supports automated processing of calibrated, external-standard peak results generated by the Agilent EZChrom data system. This support is accomplished using the “Export” option of the EZChrom “Advanced Method Options” window. This option will export the analysis results to a delimited text file that can then be read and processed by the Agilent EZChrom Connector Plugin.

Important: In order to process results from the Agilent EZChrom data system, you must first make sure that the component names in the EZReporter component settings table match the peak names in the EZChrom calibration tables. For example, if a compound is named "Hexane" in the EZChrom calibration table, it must also be entered as "Hexane" in the component settings table (not "n-Hexane", or "nC6").

1.2.1 Configure EZChrom for Data Export

To configure EZChrom for data export to the EZReporter software, open the “Advanced Method Options” window via the “**Method > Advanced…**” menu. Next, configure the “**Export**” tab as follows:

Important: Make sure to save the EZChrom method once you have made the following modifications.

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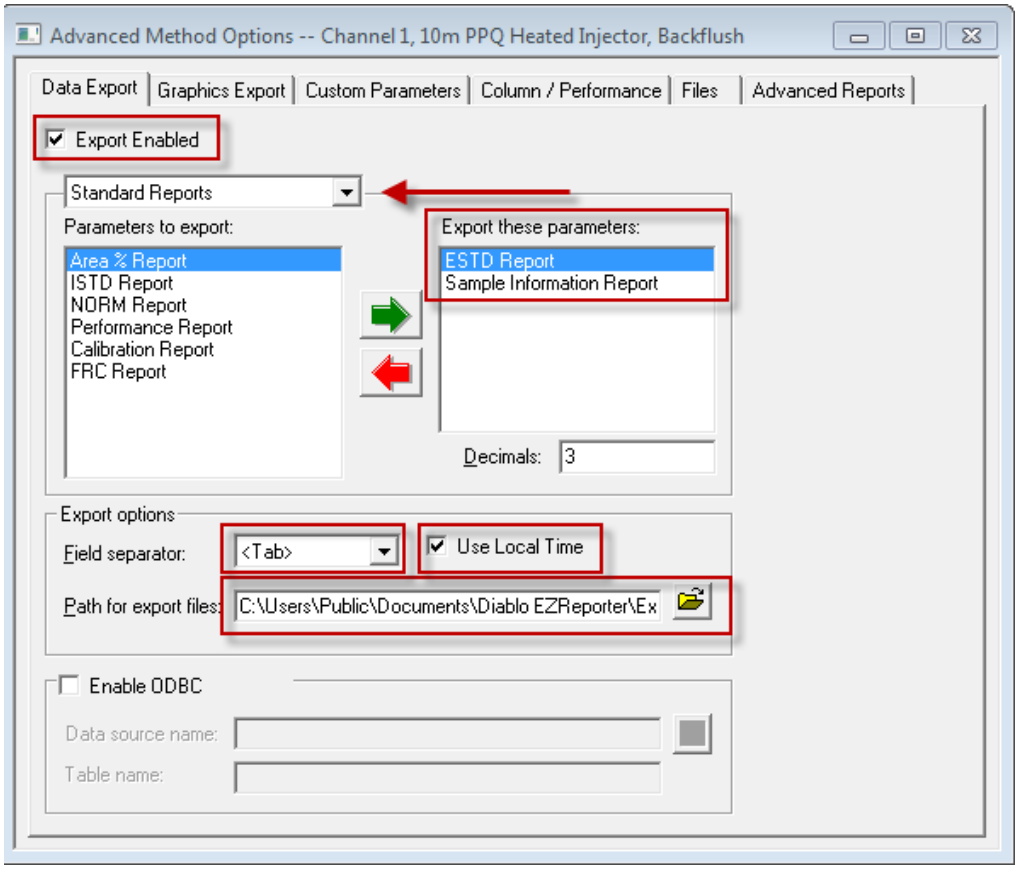

1. Click the "**Export Enabled**" box so that is checked.
2. Select "**Standard Reports**" from the list box.
3. In the "Parameters to export:" list, select "**ESTD Report**" and click the right/green arrow button so that "ESTD Report" appears in the "Export these parameters list on the right.
4. Repeat step 3 with the "**Sample Information Report**" (this step only needs to be done for the first detector channel).
5. Under "**Export options**", select <Comma> or <Tab> as the "Field separator" (see the discussion below)
6. If the "**Use Local Time**" checkbox is present, you should check it to ensure that injection times are reported in the local time zone rather than GMT.
7. For the "**Path for export files**" enter the folder where the export files will be made available to the EZChrom Connector Plugin. This path must exist and you must select it in the connector settings window.

   In EZReporter 4.0 we recommend using the following path:

   C:\Users\Public\Documents\Diablo EZReporter\Export
8. **Important**: You must repeat these steps for each detector channel present in the method. Use the detector channel list box located in the EZChrom toolbar to switch between channels:

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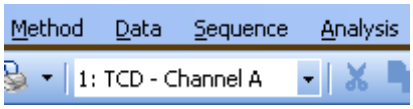
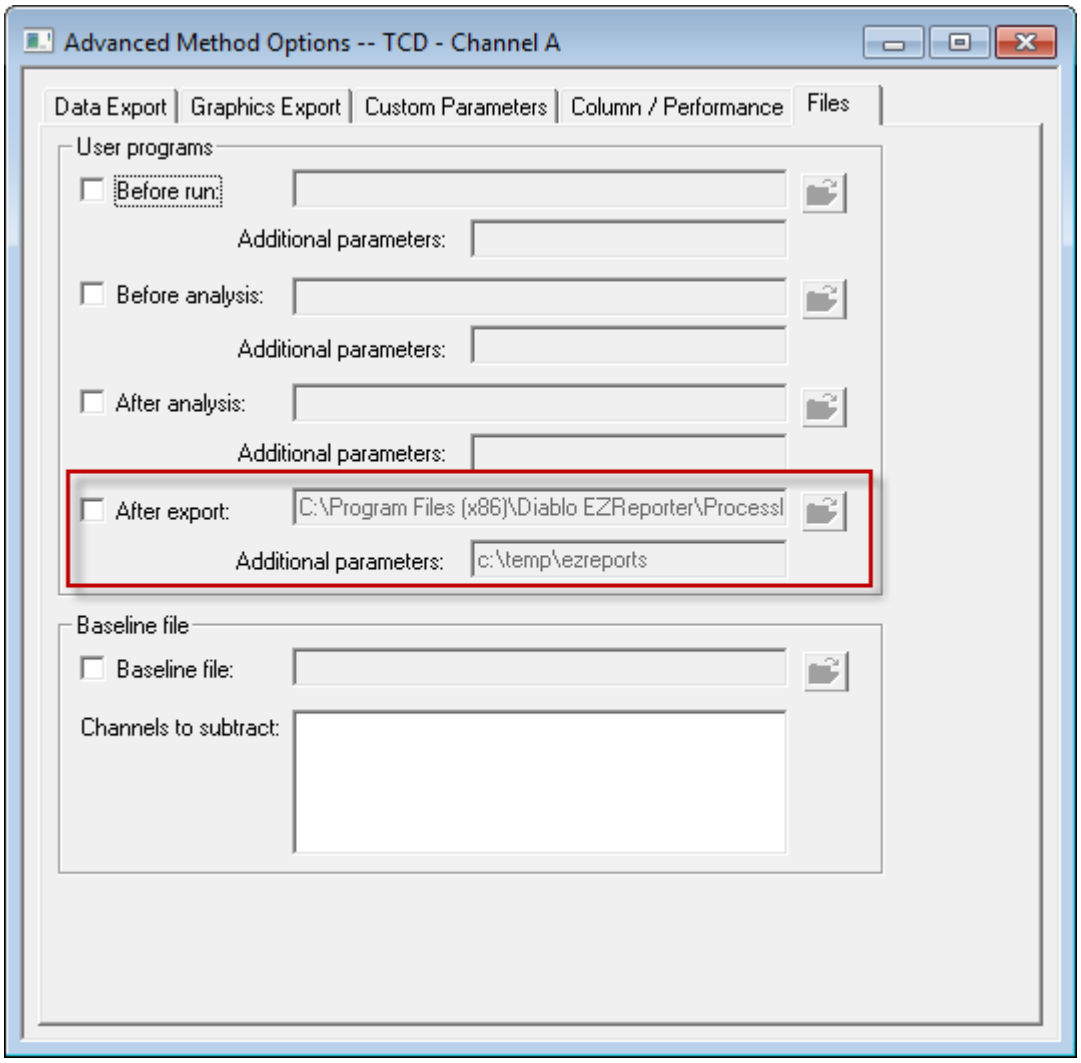


EZChrom detector channel list box

Important: If you are going to use component names that contain a comma ("1,3-Butadiene" for example), then you need to set up EZChrom for <Tab> delimiters.

Disable the "After Export" Program in Existing Methods

If you are editing an existing method that was previously set up to call an EZReporter 3.0 "connector" program as the "After Export" program, you should disable that option. Click the "Advanced" option of the "Method" menu, and then select the "Files" tab of the "Advanced Method Options" window. Then, ***uncheck*** the "After export:" checkbox and save the method:



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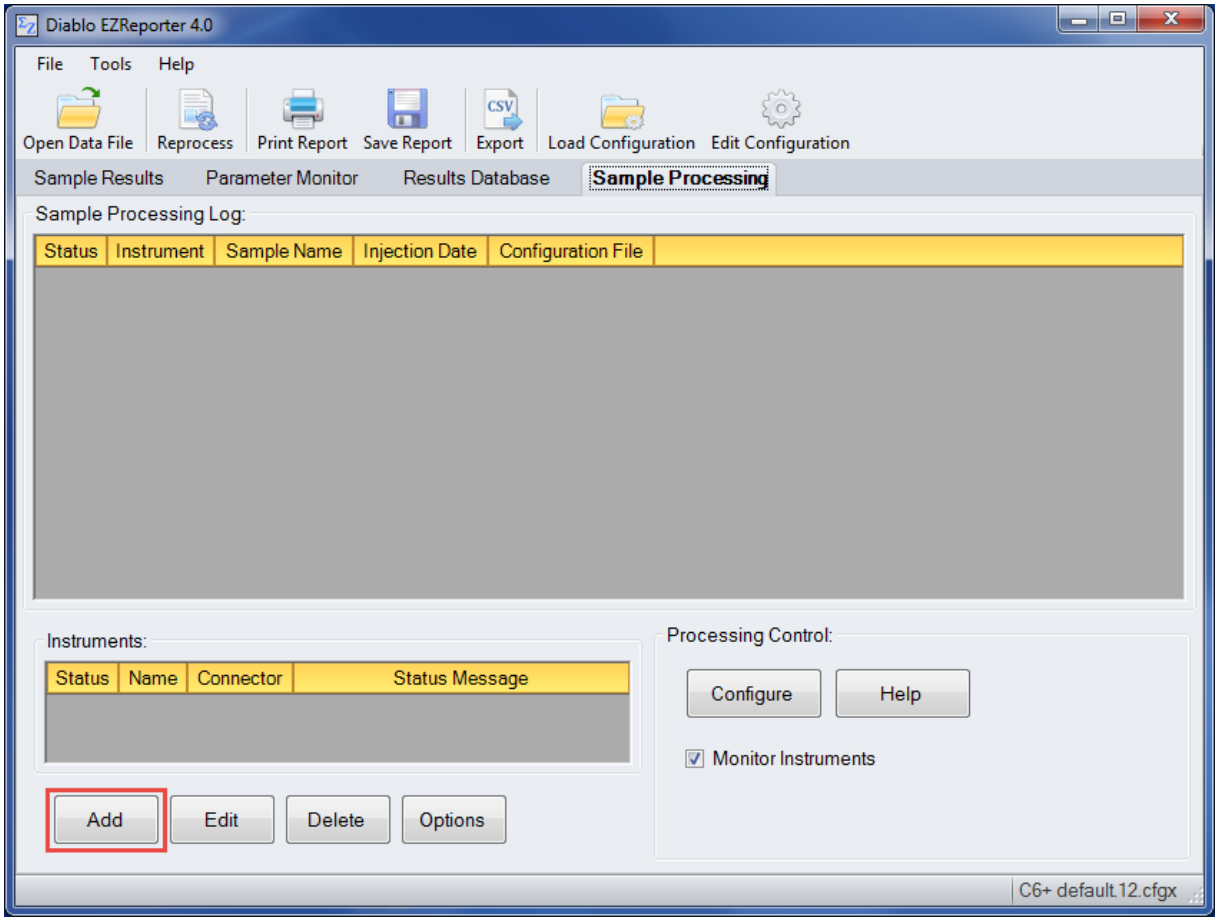
1.3 Configure the EZReporter Instrument

1.3.1 Add an EZReporter Instrument

First, you must add and configure an instrument. Switch to the "Sample Processing" tab of the main window, and click the "Add" button below the instruments table.



1.3.2 Select the Data System Connector

In order to process results from your chromatography data system, you must select the Data System Connector for the data system you are using, and then "Edit" the connector to select and apply any connector-specific settings. Please refer to the reference manual or help file for the particular Data System Connector you are using.

Important: The data system connectors available for you to select will be dependent on which version of the installation program you used to install the EZReporter 4.0 software. Make sure that you download the installer version for the manufacturer of the chromatography data system you are using to control your gas chromatograph.

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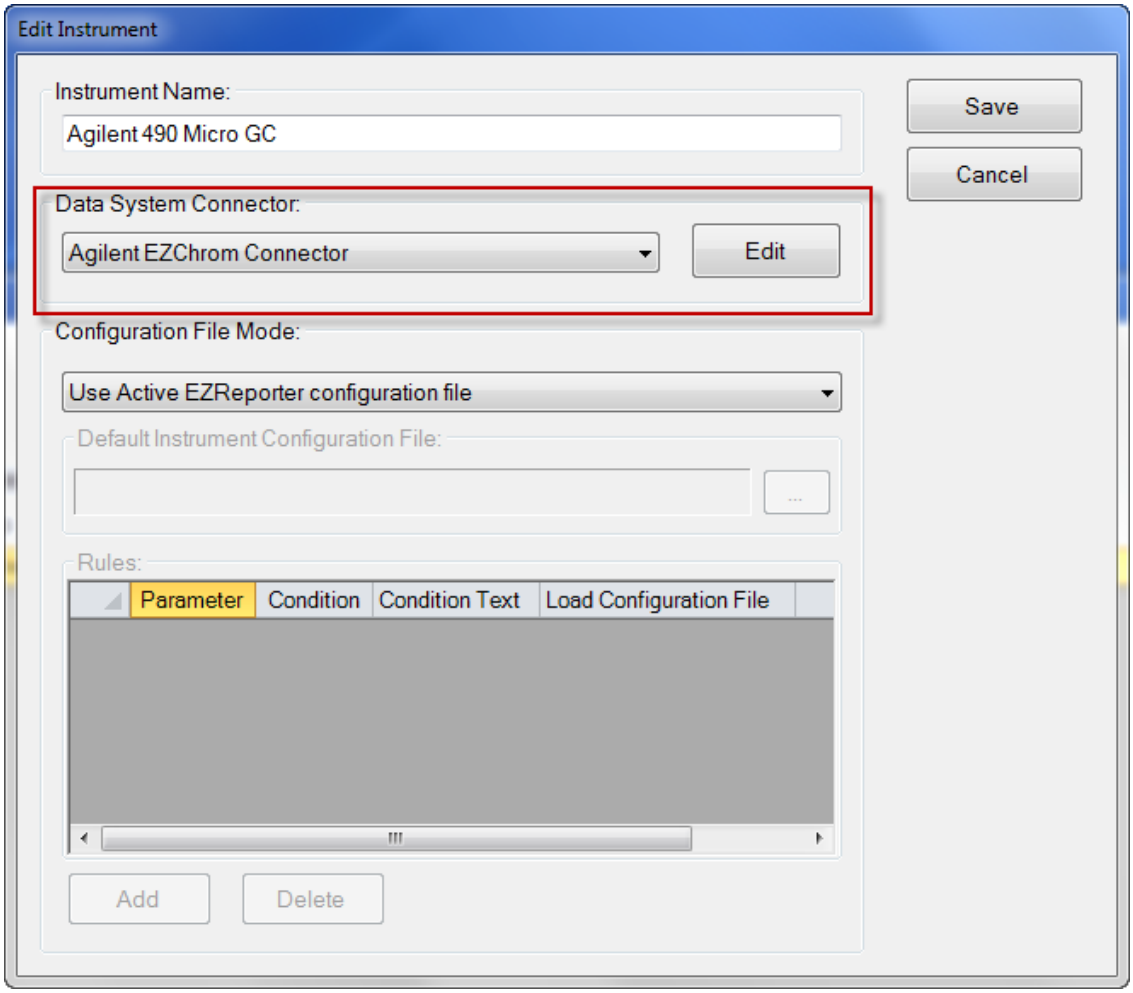
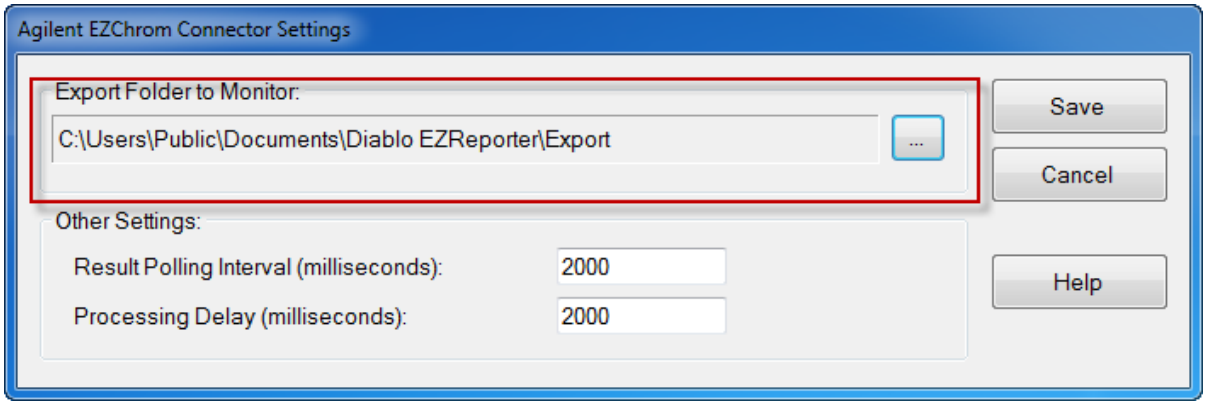


1.3.3 Configure the Connector

The only setting you typically need to set for the EZChrom Connector is the "Export Folder to Monitor". You must choose the same folder that you specify in the Data Export tab of the EZChrom Advanced Methods window as described previously.



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Other Settings

These settings should not need to be changed in a typical installation.

Result Polling Interval: This is the interval in milliseconds at which the connector will check the export folder for new text files exported from EZChrom. The default value of 2000 milliseconds should be correct for most situations.

Processing Delay: After finding new text files in the export folder, the connector will wait for this period in milliseconds before processing results. If you have a multi-channel GC, and for some reason EZChrom is slow to export results for some of the detector channels, then you can increase the delay time to allow all the text files to be generated before processing results. The default value of 2000 milliseconds should be correct for most situations.

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Index

- A -

Add an EZReporter Instrument 9
Advanced Method Options 6

- C -

Configure EZChrom 6
Configure EZChrom for Data Export 6
Configure the Connector 10
Configure the EZReporter Instrument 9

- E -

ESTD Report 6
Export Enabled 6
Export Folder to Monitor 10
Export options 6

- F -

Field separator 6

- G -

Getting Started 6

- P -

Path for export files 6
Processing Delay 10

- R -

Result Polling Interval 10

- S -

Sample Information Report 6
Sample Processing 9
Select the Data System Connector 9
Standard Reports 6

- U -

Use Local Time 6

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