

EZ IQ Connector Plugin

The screenshot displays the main window of the Diablo EZReporter 4.0 application. The interface includes a menu bar (File, Tools, Help), a toolbar with icons for Open Data File, Reprocess, Print Report, Save Report, Export, Load Configuration, and Edit Configuration. Below the toolbar are tabs for Sample Results, Parameter Monitor, Results Database, and Sample Processing. The main content area is divided into several sections:

- Sample Information:** A table showing details for the current sample.

Sample Information	
Sample Name	GPA 2172-09 Calculation Check at 14.696 psia
Report Date	2015-01-27 12:06:23
EZReporter Configuration File	GPA 2172-09 Calculation Check at 14.696 psia.cfgx
- Component Results:** A table listing the composition of the sample.

Component Name	Norm%	Norm Mol% (Sat.)	Norm Mol% (Wet)	Weight% (Dry)	Weight% (Sat.)	Weight% (Wet)	Gross H (BTU / Ide)
Water	0.0000	1.7447	1.6180	0.0000	1.5538	1.4408	
Helium	0.0300	0.0295	0.0295	0.0059	0.0058	0.0058	
- Results Summary:** A table providing key summary statistics.

Result	Dry	Sat. (Base)	Sat. (Flowing)
Total Raw Mole% (Dry)	100.0000		
Pressure Base (psia)	14.696		
Temperature Base	60.0		
- Errors and Warnings:** A table with columns for Type, Source, and Description, currently empty.

The status bar at the bottom of the window displays the file path: GPA 2172-09 Calculation Check at 14.696 psia.cfgx.

Diablo Analytical EZReporter Software
EZReporter 4.0 INFICON EZ IQ Connector Plugin

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EZ IQ Connector Plugin

Getting Started

This document describes how to configure the INFICON EZ IQ chromatography data system and the EZReporter 4.0 EZ IQ Connector Plugin so that results can be processed automatically at the end of each run.

Configure EZ IQ

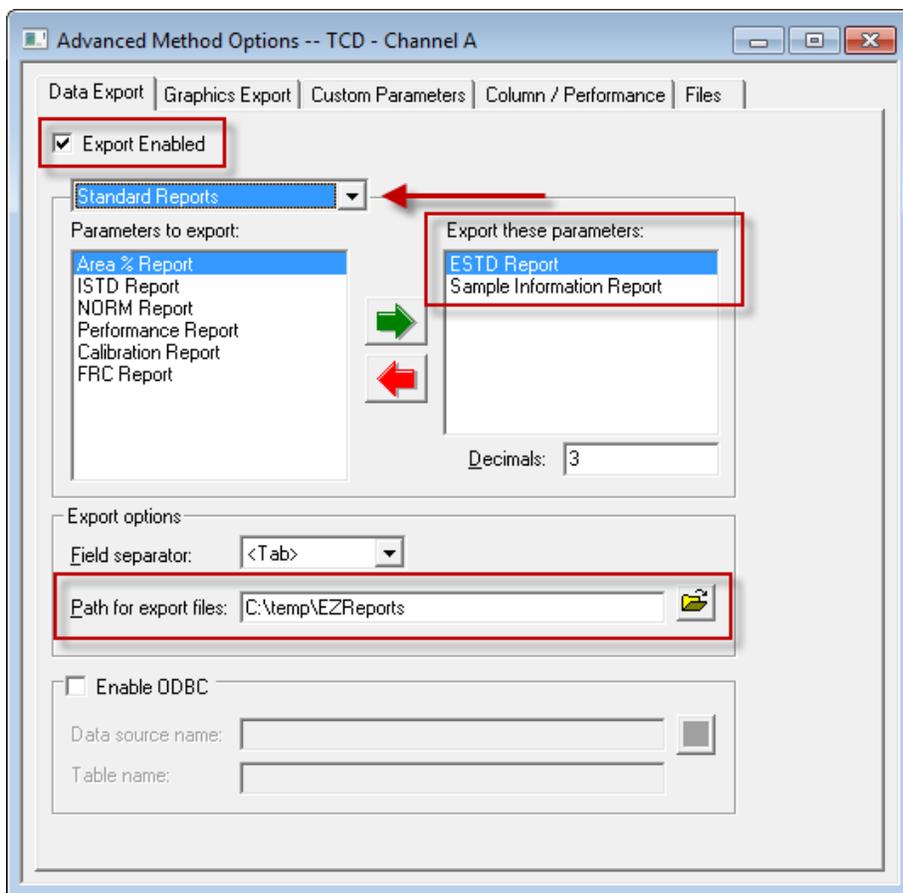
The Diablo EZReporter software supports automated processing of calibrated, external-standard peak results generated by the INFICON EZ IQ data system. This support is accomplished using the “Export” option of the EZ IQ “Advanced Method Options” window. This option will export the analysis results to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

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

Configure EZ IQ for Data Export

To configure EZ IQ 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 EZ IQ method once you have made the following modifications.



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. Enter path to the directory where the export files will be made available to the INFICON EZ IQ Connector Plugin. This path must exist and you must select it in the plugin configuration window.
7. **Important:** You must repeat these steps for each detector channel present in the method. Use the detector channel list box located in the EZ IQ toolbar to switch between channels:

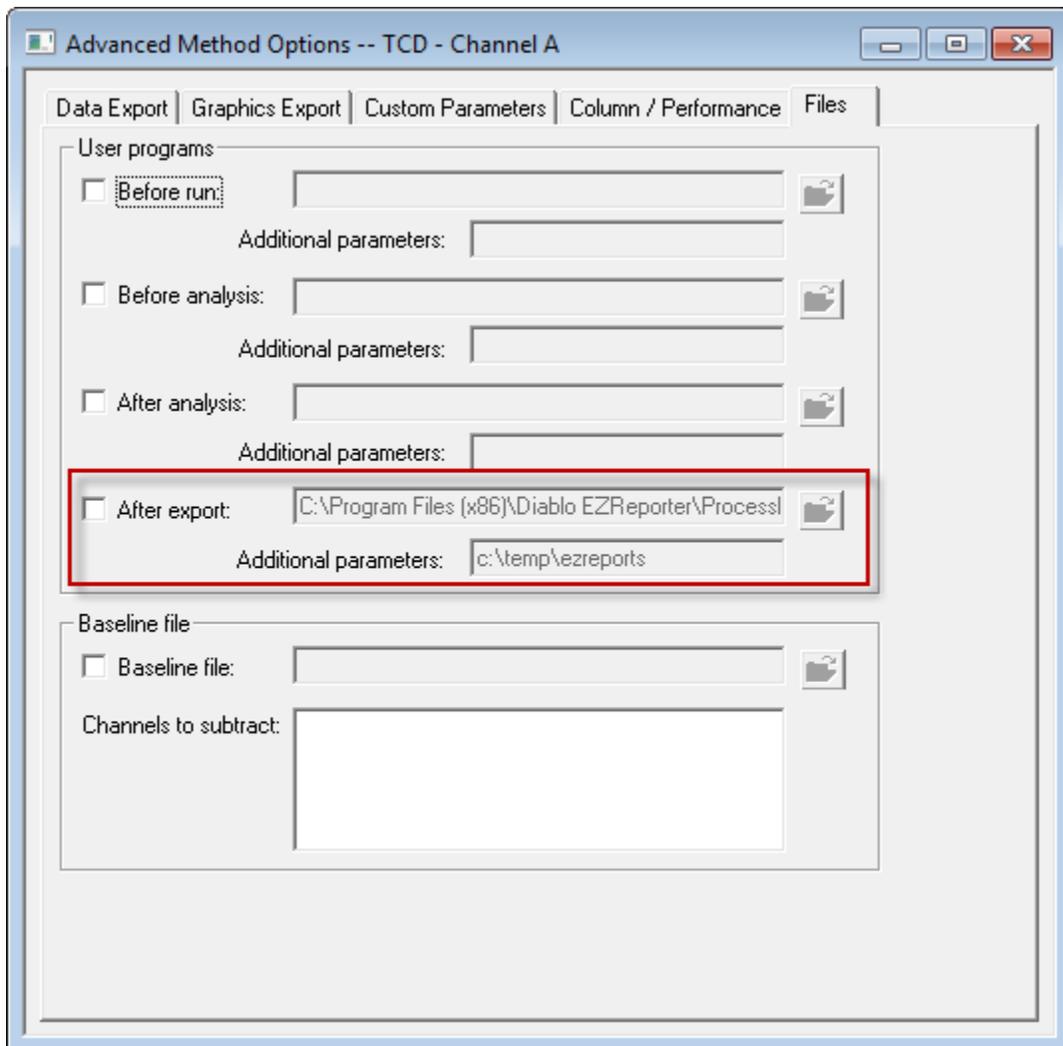


EZ IQ detector channel list box

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

Disable the “After Export” Program in Existing Methods

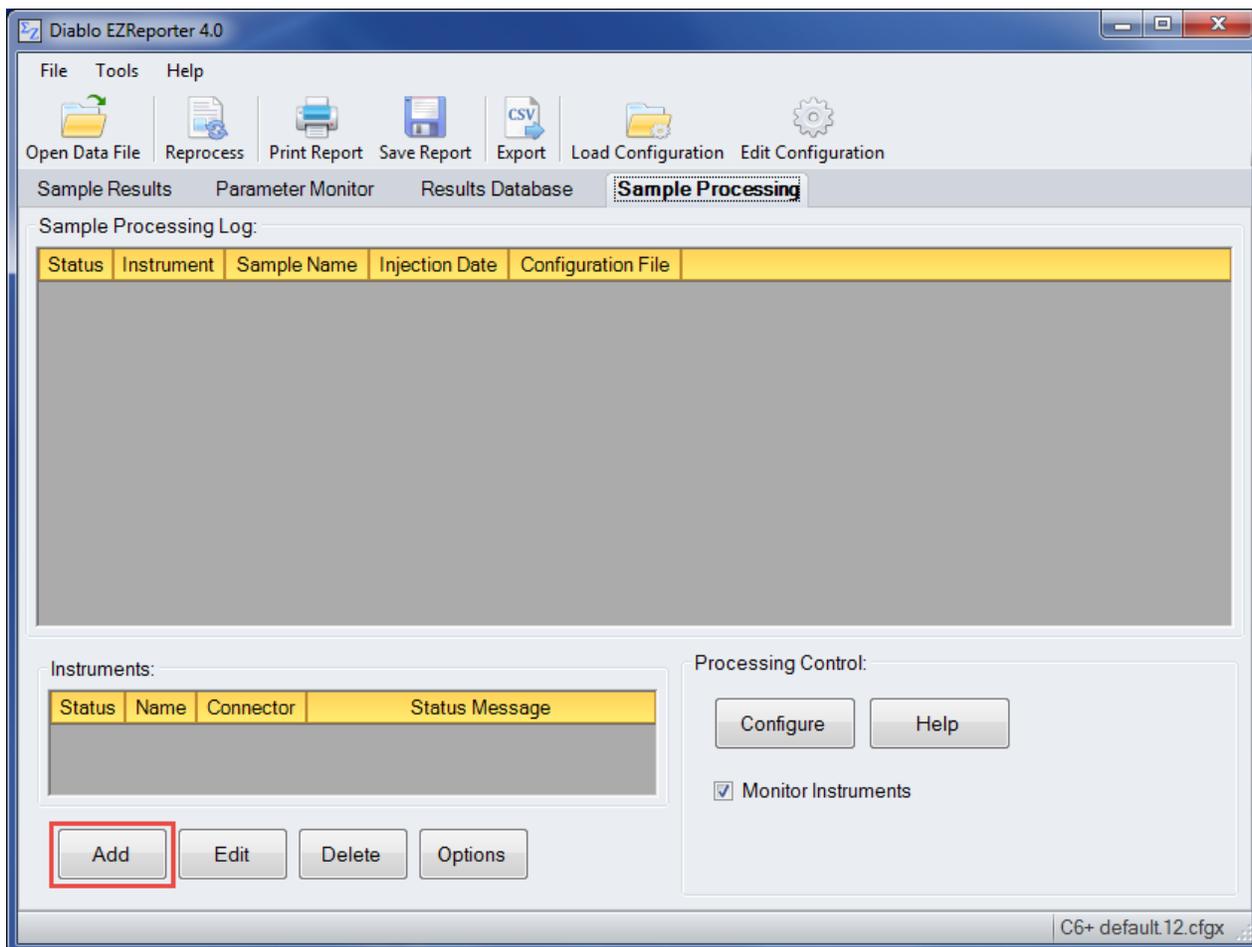
If you are editing an existing method that was previously set up to call an EZReporter 3.0 “connector” program as the “After Export” program, you should disable that option. Click the “Advanced” option of the “Method” menu, and then select the “Files” tab of the “Advanced Method Options” window. Then,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



Configure the Instrument

Add an Instrument

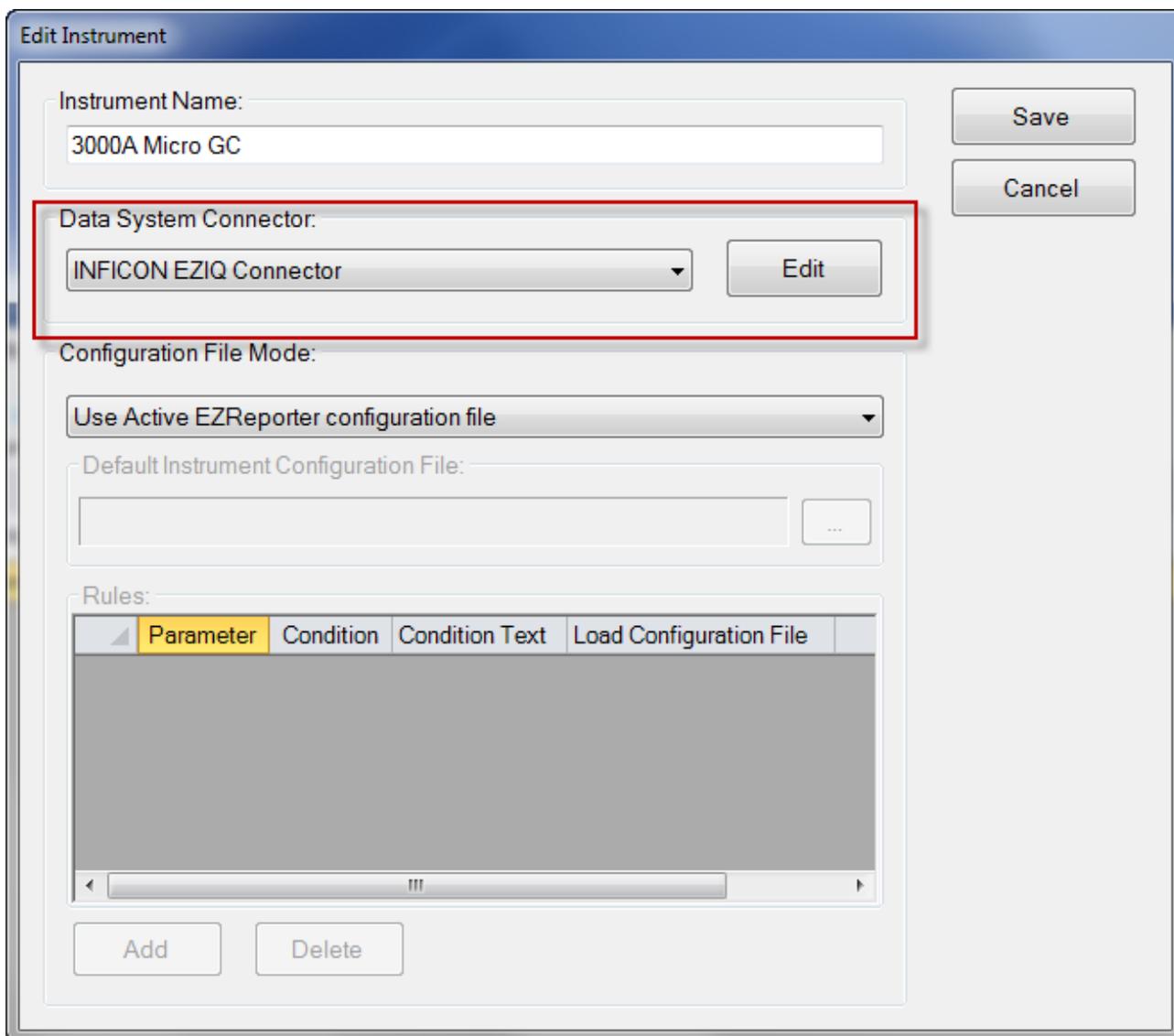
First, you must add and configure an instrument. Switch to the “Sample Processing” tab of the main window, and click the “Add” button below the instruments table.



Select the Data System Connector

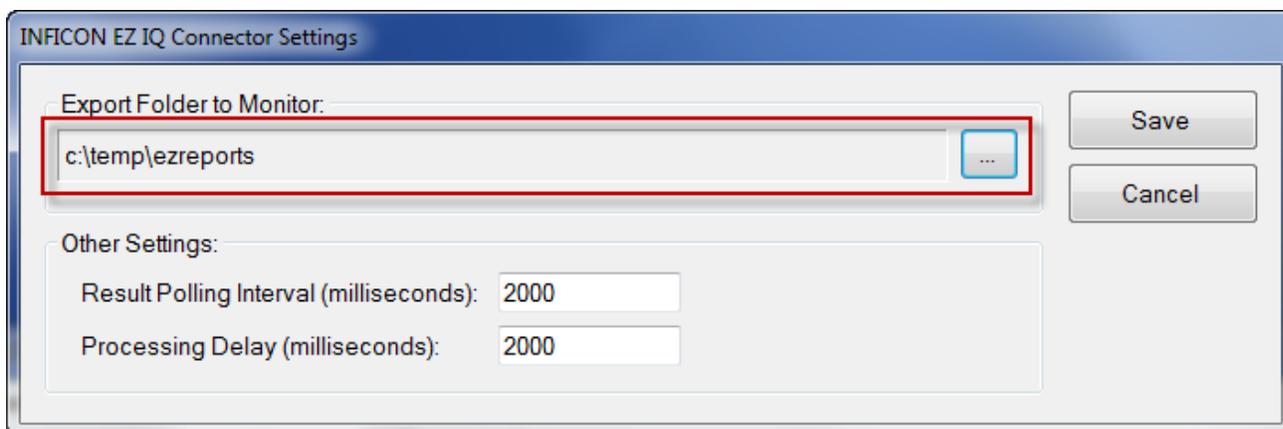
In order to process results from your chromatography data system, you must select the Data System Connector for the data system you are using, and then “Edit” the connector to select and apply any connector-specific settings. Please refer to the reference manual or help file for the particular Data System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



Configure the Connector

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



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 EZ IQ. 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 EZ IQ 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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