

PE TotalChrom Connector Plugin

The screenshot displays the main window of the Diablo EZReporter 4.0 software. 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, and a tabbed interface with 'Sample Results' selected. The 'Sample Information' section shows details for 'GPA 2172-09 Calculation Check at 14.696 psia'. The 'Component Results' table lists 'Water' and 'Helium' with their respective percentages. The 'Results Summary' table provides a high-level overview of the sample's composition and conditions. The 'Errors and Warnings' section is currently empty.

Sample Information:

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

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

Result	Dry	Sat. (Base)	Sat. (Flowing)
Total Raw Mole% (Dry)	100.0000		
Pressure Base (psia)	14.696		
Temperature Base	60.0		

Errors and Warnings

Type	Source	Description

Diablo EZReporter 4.0

GPA 2172-09 Calculation Check at 14.696 psia.cfgx

Diablo Analytical EZReporter Software
EZReporter 4.0 Perkin Elmer TotalChrom Connector Plugin

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PE TotalChrom Connector Plugin

Getting Started

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

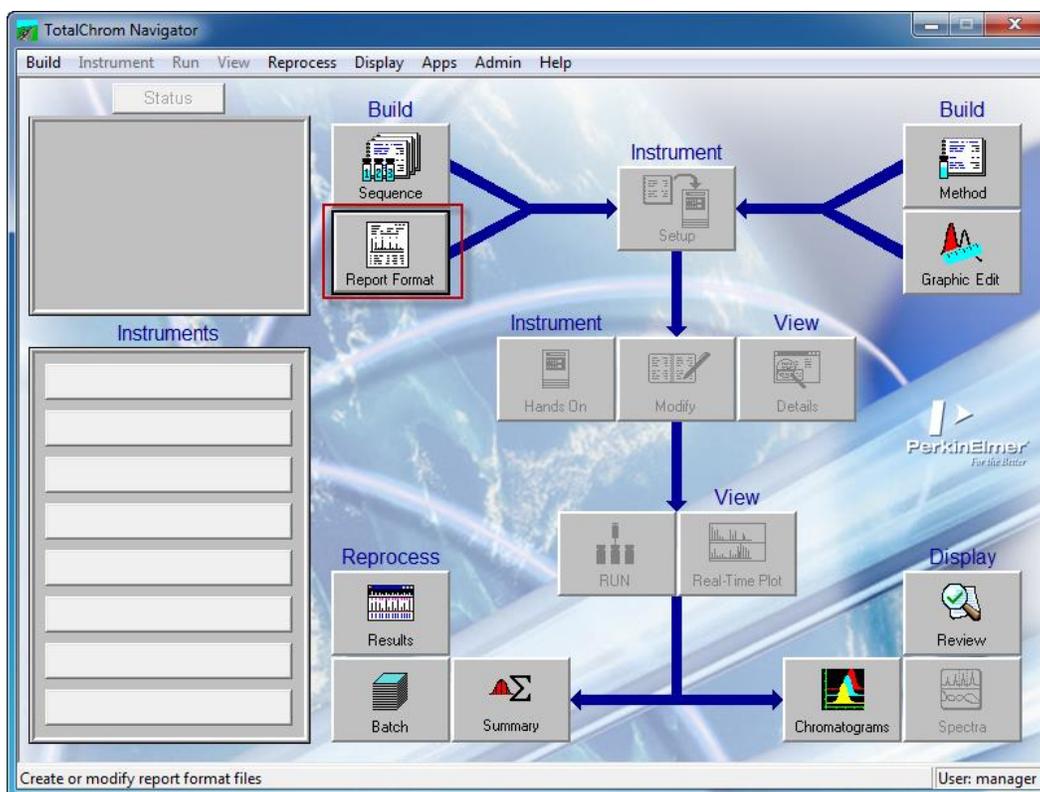
Configure TotalChrom

The Diablo EZReporter software supports automated processing of calibrated, external-standard peak results generated by the PE TotalChrom data system. This support is accomplished using the “Create ASCII delimited file” option of the TotalChrom report format options. This option will export the analysis results to a delimited text file that can then be read and processed by the PE TotalChrom Connector Plugin.

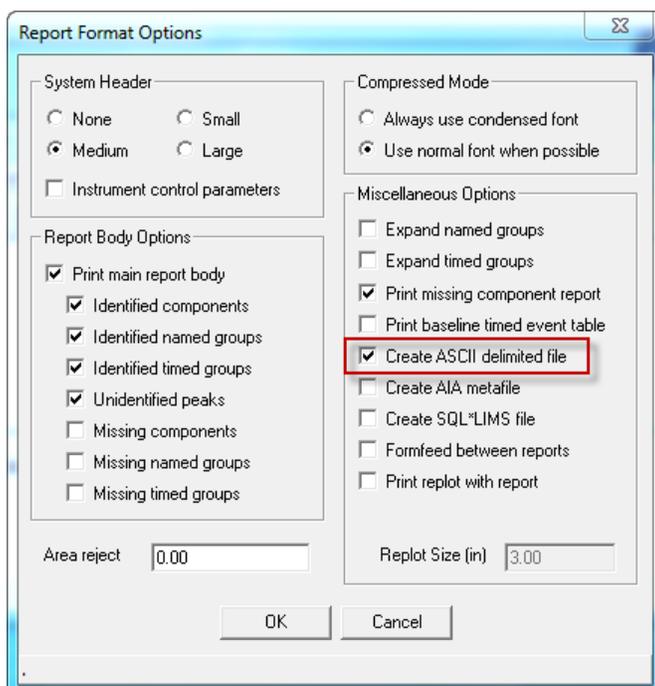
Important: In order to process results from the PE TotalChrom data system, you must first make sure that the component names in the EZReporter component settings table match the peak names in the TotalChrom calibration tables. For example, if a compound is named "Hexane" in the TotalChrom calibration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

Configure TotalChrom for Data Export

1. In the TotalChrom Navigator, click the “Report Formats” button:



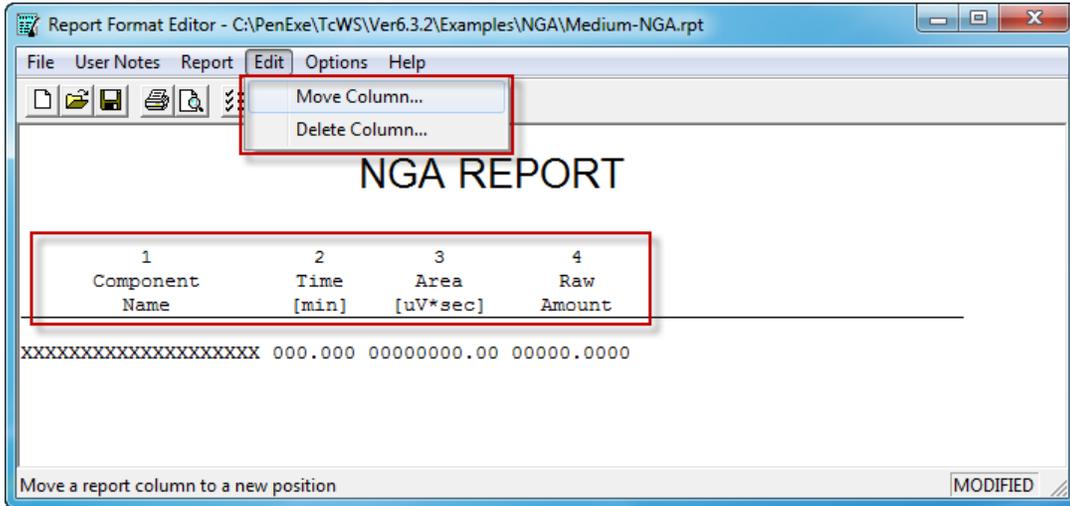
2. You can either load an existing report or create a new report. Once the Report Format Editor has started and is displaying the report format you wish to edit, click the “Options” menu option on the main menu and check the “Create ASCII delimited file” option:



3. You will now need to use the “Delete Column” and “Move Column” options of the “Edit” menu to set up the component results table so that the columns are in the following order:

Column 1: Component Name
Column 2: Retention Time
Column 3: Peak Area
Column 4: Raw Amount

IMPORTANT: The Displayed Columns must be in the order shown, or the results won't be imported into the proper EZReporter result fields.

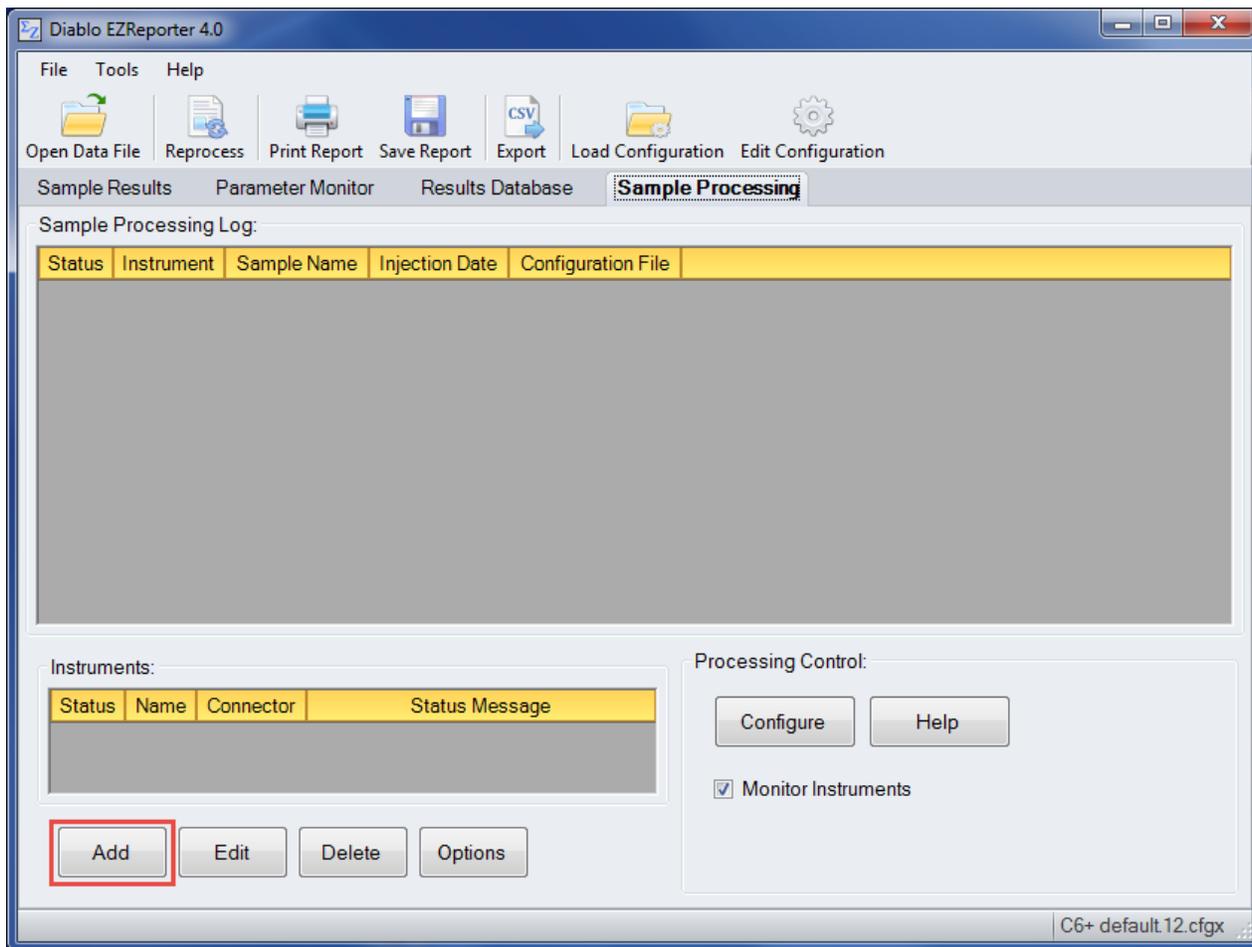


4. Save the modified report format. You will need to specify this report format when running a sequence or reprocessing results.

Configure the EZReporter Instrument

Add an Instrument

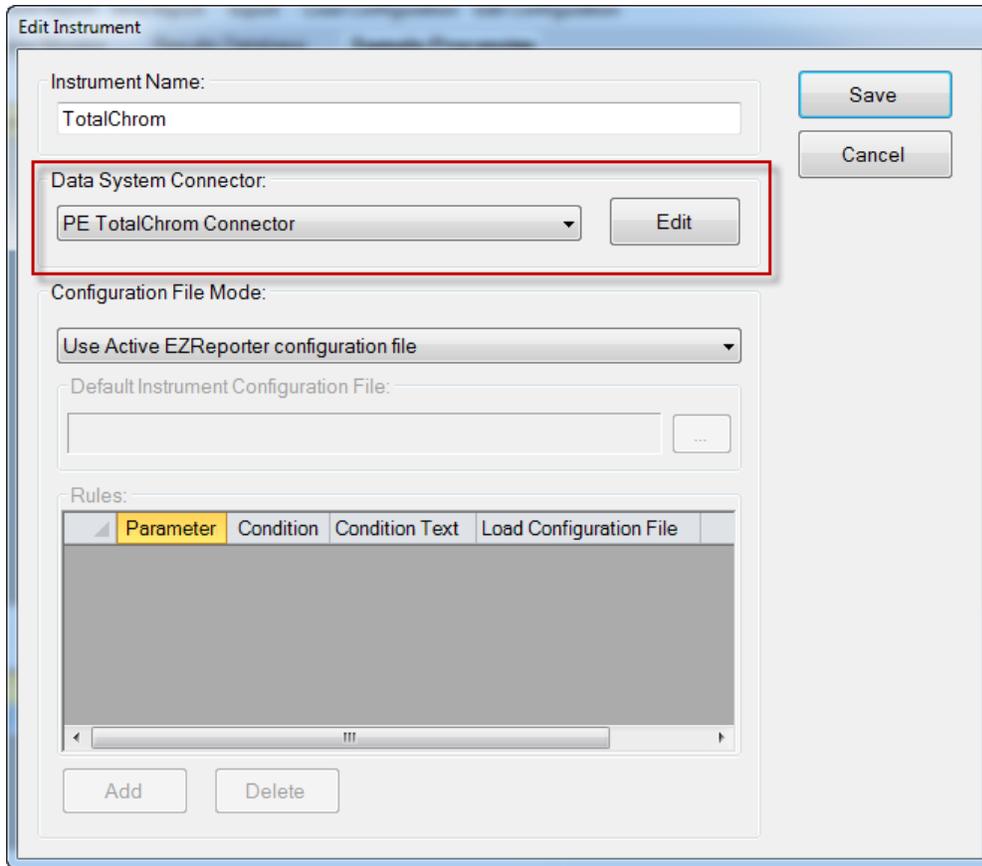
First, you must add and configure an instrument. Switch to the “Sample Processing” tab of the main window, and click the “Add” button below the instruments table.



Select the Data System Connector

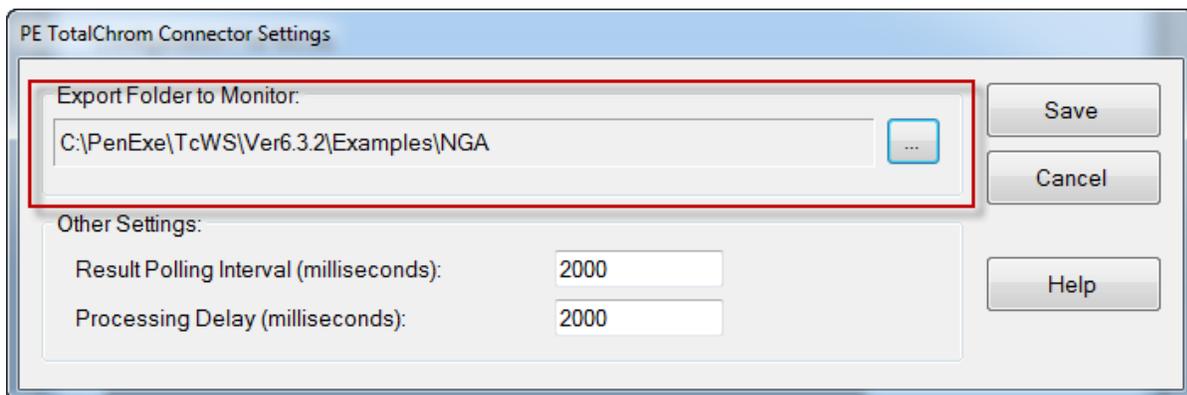
In order to process results from your chromatography data system, you must select the Data System Connector for the data system you are using, and then “Edit” the connector to select and apply any connector-specific settings. In this case, select the “PE TotalChrom Connector”.

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 TotalChrom Connector is the “Export Folder to Monitor”. You must choose the folder where your result files will be stored after the run. EZReporter will monitor this folder for the “.TX0” ASCII files that are created when the report is printed.



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 TotalChrom. The default value of 2000 milliseconds should be correct for most situations.

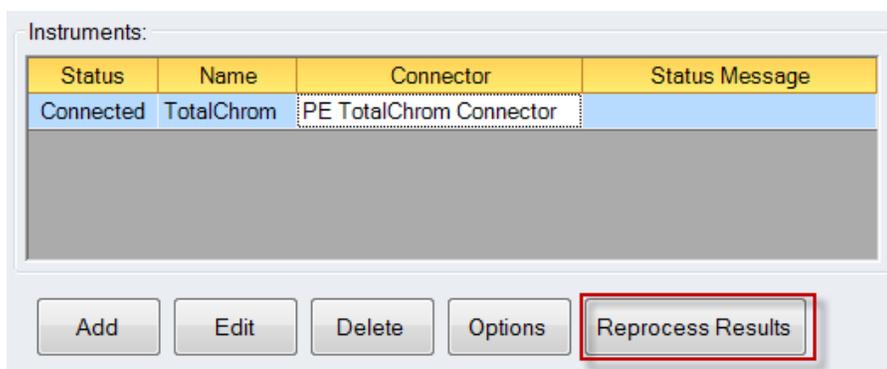
Processing Delay: After finding new text files in the export folder, the connector will wait for this period in milliseconds before processing results. If you have a multi-channel GC, and for some reason TotalChrom is slow to export results for some of the detector channels, then you can increase the 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.

Reprocess Results

If your data file contains results from only a single detector channel/chromatogram, then you can simply use the TotalChrom “Reprocess” window (click the Navigator button labeled, “Reprocess”) to send the results for that channel to EZReporter for processing.

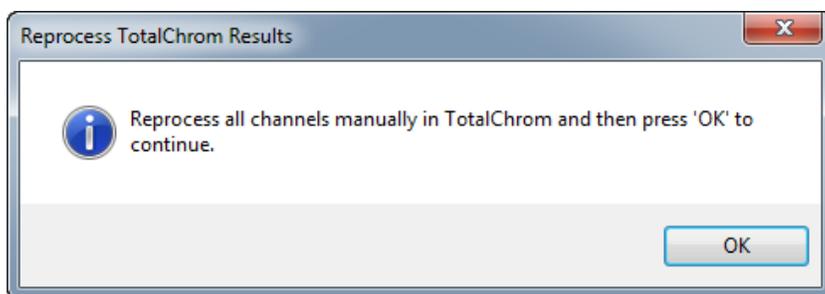
However, if your data file contains results from 2 or more detector channels/chromatograms, then you should follow these steps:

1. Select the TotalChrom Connector instrument in the instrument table. The “Reprocess Results” button should be displayed at the bottom of the instrument table.

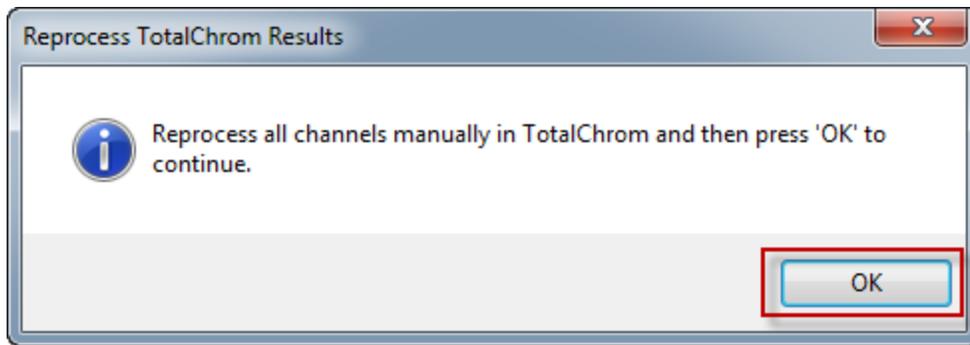


2. Click the “Reprocess Results” button.

IMPORTANT: Leave the “Reprocess TotalChrom Results” message box open until after you have reprocessed all channels in TotalChrom.



3. Reprocess all channels from the data file in TotalChrom by clicking the menu option, “Processing > Reprocess” and then selecting and reprocessing each chromatogram listed in the “Chromatogram” list box:
4. After reprocessing all channels in the data file, click the “OK” button on the “Reprocess TotalChrom Results” message box displayed in EZReporter:



The TotalChrom Connector will detect and process the text files generated from each channel and add a new result to the Sample Table for processing.

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