

StillPeaks DHA-VGC install & set-up instruction

April 16, 2017

After download, you can install and open StillPeaks Detailed Hydrocarbon Analysis software including Virtual GC (DHA-VGC).

When you open the application a Registration Window opens and asks your License Key.

Please send the shown Registration ID to Info@StillPeaks.com to acquire your license key or ask us a one time only free of charge 30 day trial license key.

After entering your license key the application opens the DHA-part (starting point of operational usage).

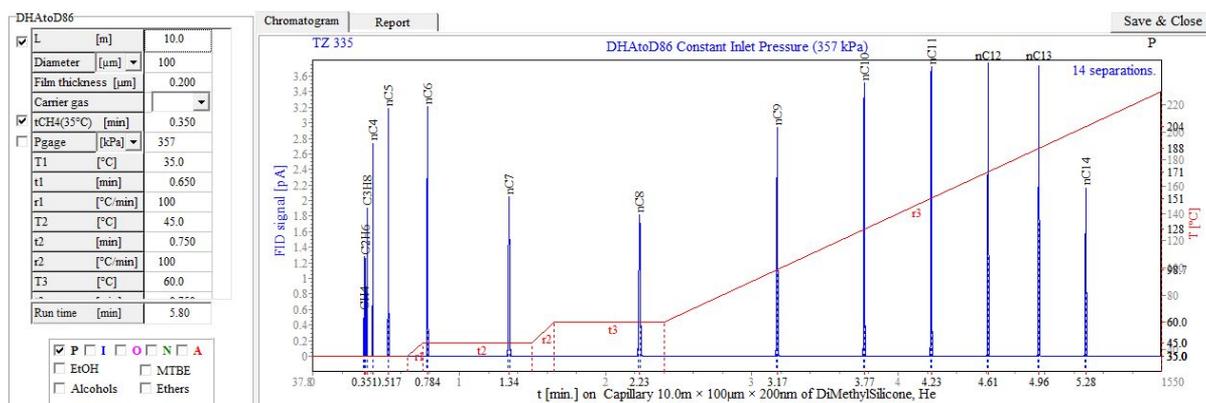
We recommend prior to operational usage to first check, acknowledge and set the default settings of the application.

Settings

The default settings will always be used the first time you open any sequence of samples in the DHA-part of the application.

To set and change the default settings please open your Explorer. If StillPeaks DHAtoD86 is installed by default you'll find the StillPeaks folder in C:\StillPeaks\StillPeaksDHAtoD86 or C:\StillPeaks\StillPeaksDHA-VGC.

Please open the VirtualGC folder and double click the file StillPeaksVirtualGC.exe.



Default Settings

We recommend you check the default settings on the left with your temperature program and GC setting-details and change as required.

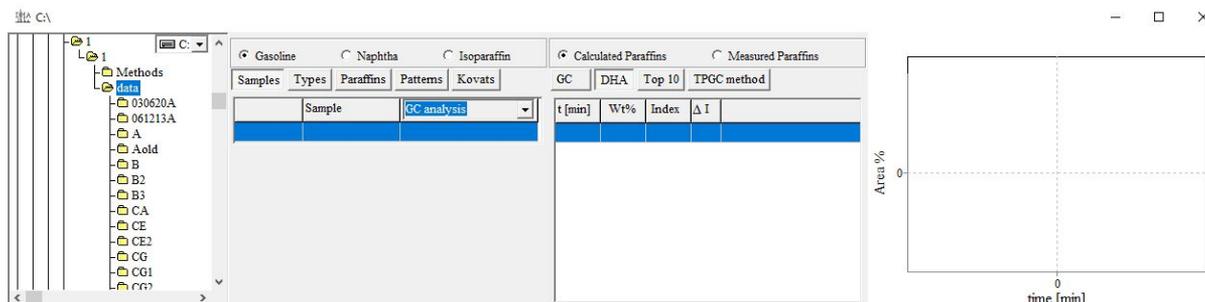
Constant Flow / Pressure

You can, if interested, switch between Constant Inlet Pressure and Constant Outlet Flow in the menu-item Pneumatics.

After you finished with changing the settings please remember to hit 'Enter' and click the 'Save & Close' button in the top-right of the screen.

DHA

After re-opening the DHA-part of the application you can browse through the directory-tree to your samples, on the left-side of the window.

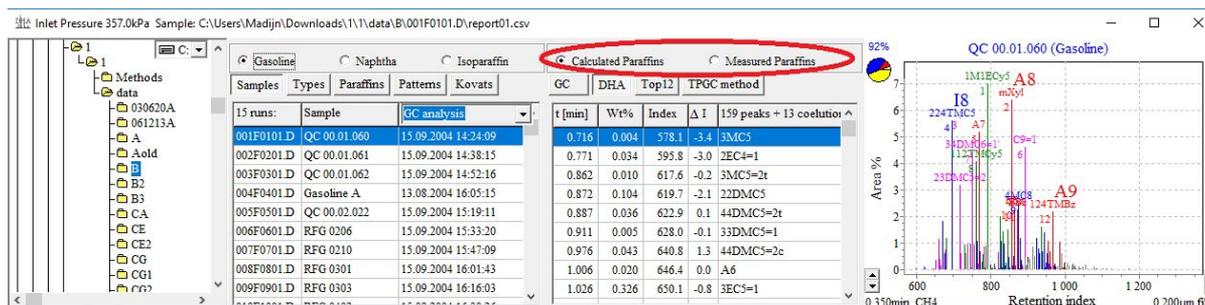


Select your sequence. The application will show the list of samples in the sequence and the chromatogram of the first sample.

Measured or Calculated paraffins

When nC5 to nC14 n-Paraffins are measured in a sequence, name the sample with 'n-par', 'npar', 'n-alk', 'nalk', 'c5-c14' or 'c5-nc14' so the DHA application can recognize the nParaffin standard and can use the Measured Paraffins for index calculation.

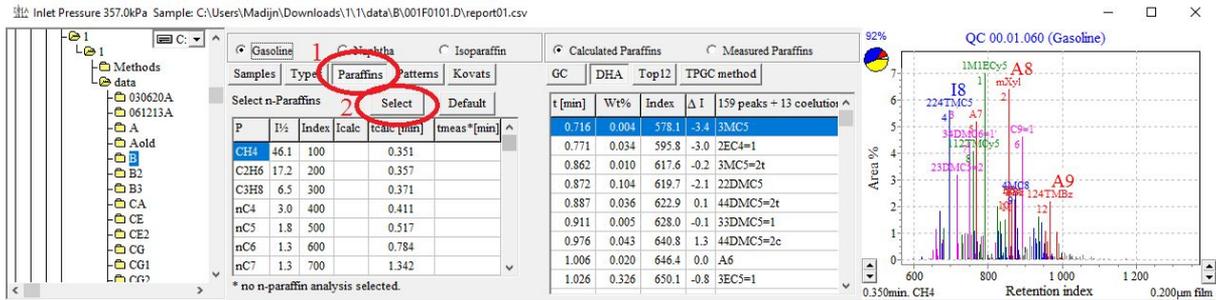
If the application can't identify a nParaffin-file in the sequence it will automatically open in Calculated Paraffin mode.



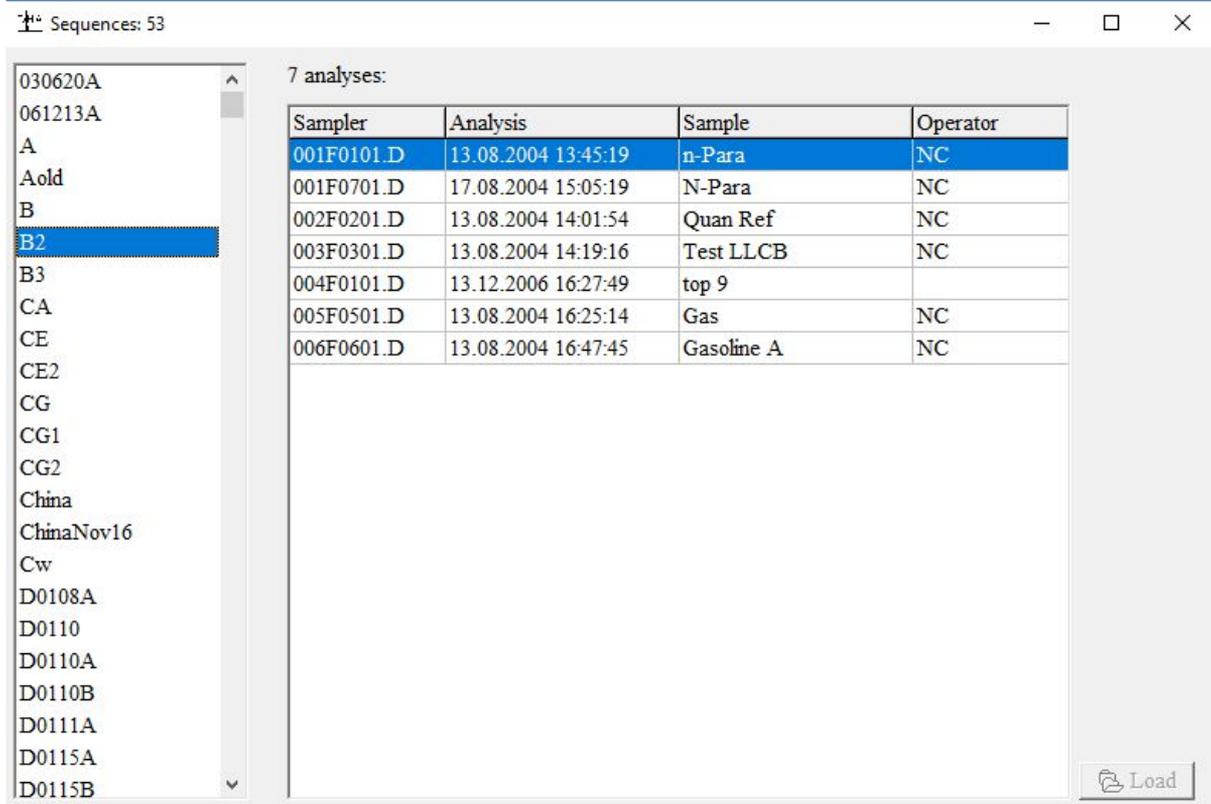
Connect nParaffin-file to a sequence to operate in Measured mode

If the n-Paraffin-file is not identified or not present in the sequence, you can connect a n-Paraffin-file to the sequence in two ways:

- click the radio-button of Measured Paraffins
- click the Select-button in the Paraffin-tab (shown with 2 and 1)



The select-box opens and you can select and load your n-Paraffin-file. The selected file will be copied and pasted as nCcopy.D to your sequence-folder.

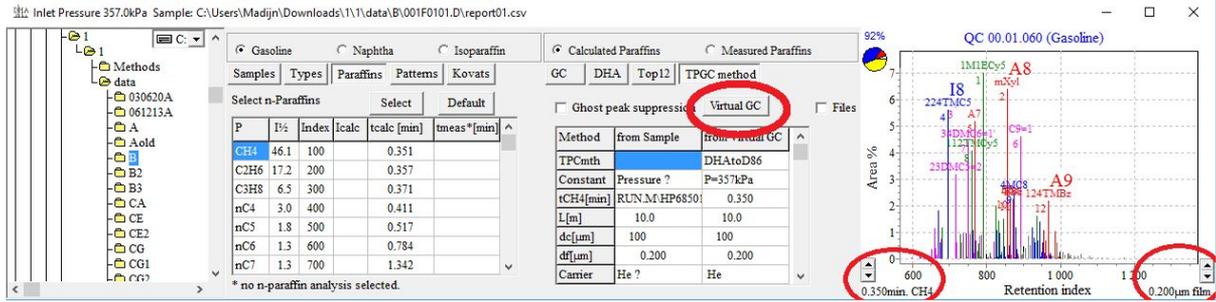


After loading you can run the selected sequence in Measured Paraffins mode.

Changing settings for a sequence only

In Calculate mode you can change calculate settings for a sequence in 2 ways:

- the up & down icons left and right under the chromatogram (CH4 & film)
- the VirtualGC button in the TPGC-method tab

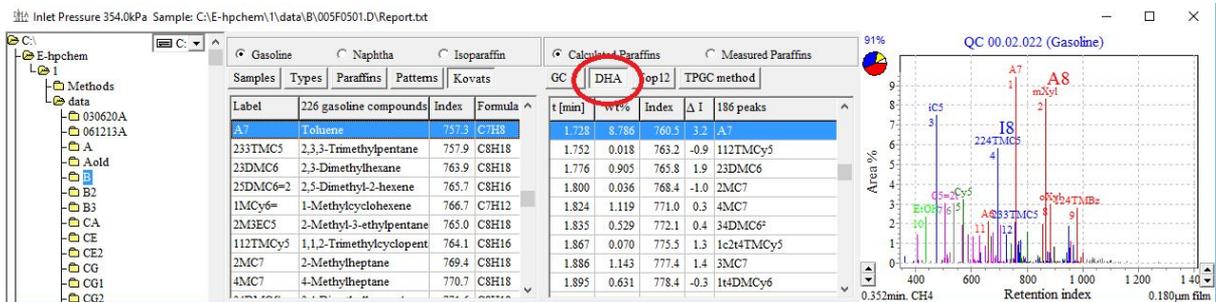


Changes in the settings via this way are saved only for this sequence.

Changing the default settings is only possible as described in the Default Settings section above.

DHA report

The DHA-report for each sample is shown in the tab DHA.



To open the DHA-report (CSV) of this particular sample please browse via your Explorer to your sample directory and open the file DHA_<your sample name>. This DHA_<your sample name> file will be the input for the D86-application.