

SetaAnalytics Evochrom HPLC Frequently Asked Questions

1. Which Methods do SetaAnalytics EvoChrom Support?

- a. Diesel Aromatics Content by IP 391, ASTM D6591 & EN 12916 (EN 590)
- b. Jet Fuel Aromatics Content by IP 436 (DEF STAN 91-91) & ASTM D6379
- c. Jet additive SDA in Jet A, Jet A-1 and Diesel Fuels by IP PM DP/06 & ASTM Draft Method D02 SC4

2. Can the same HPLC System and Column be used for all 3 methods?

- a. Yes, for both Aromatics Methods for Diesel and Jet yes
- b. For SDA additive measurement you will need a different column and detector available from SetaAnalytics

3. Can parts of the HPLC package or the column be purchased separately?

- a. Yes, the SetaAnalytics certified columns exactly meet the method performance specifications and columns and systems are available separately
- b. Individual HPLC Evochrom units are available from SetaAnalytics

** Please note that SetaAnalytics columns are suitable for use with most makes of HPLC apparatus.*

4. Which column should be used for the 3 methods?

- a. The column used for the Aromatic methods for diesel and Jet is identical in terms of the separation material
- b. The column for the SDA measurement uses a different stationary separation material to that used for aromatics measurement, specific to separate the sulphonic active end group material in the SDA additive injected into Jet or Diesel Fuels

5. Is there a recommended or preferred column to use for these methods?

- a. Yes, we strongly recommend the use of SetaAnalytics Certified Columns to ensure correct separation, measurement of correct species and quantification to achieve the right result

6. Does the column come with a Certificate of Performance?

- a. Each column is certified and tested to exacting standards to ensure the peak efficiency and resolution of the column fully meets the requirements of the IP, ASTM and EN test methods specified and detailed

7. Typically what is the life of a column?

- a. Generally the life of a column is dependant on the nature of the materials chromatographed and the number of sample injections run. It is difficult to predict an exact life expectancy but all SetaAnalytic columns are manufactured to the highest standards.

8. Can you recondition the column or can it be sent back to SetaAnalytics?

- a. No columns cannot be reconditioned and for guaranteed performance a new column should be purchased.

9. Is there a service manual for the HPLC component parts or systems?

- a. A service manual covering all major maintenance areas is included with the Evochrom system.

10. Do you offer training to run and maintain the HPLC systems?

- a. Yes, courses can be run at your location or at the SetaAnalytics offices in Chertsey

- 11. What are the most common consumables required to run the HPLC system?**
 - a. The number of consumables needed will vary according to user application, all consumables needed to run the Evochrom systems are available from SetaAnalytics
- 12. Does SetaAnalytics offer the mobile phase chemicals for the 3 methods supported?**
 - a. Yes, SetaAnalytics can supply all mobile phase components
- 13. What spares are required to allow the HPLC system to be maintained in 24/7 operating capability?**
 - a. This can vary due to demand on the equipment, it is recommended that you discuss your “spares package” requirements with SetaAnalytics to ensure seamless service.
- 14. Can different Chromatography integration packages be run other than EvoChrom?**
 - a. The Evochrom System is optimised to run the Clarity System, but other systems can also be used
- 15. How long do the Spares take to be shipped from SetaAnalytics?**
 - a. SetaAnalytics aim to supply spares within 24 hours
- 16. Does SetaAnalytics have a HPLC technical help line for support?**
 - a. Our dedicated team of HPLC Experts would be pleased to help you resolve any issues around running your samples. They can be contacted directly by telephone +44(0) 1932 575000 or e mail: info@seta-analytics.com.
- 17. Are there any other HPLC systems or methods that SetaAnalytics will support in the future?**
 - a. Yes, SetaAnalytics is continually looking at new Industry Methods ideal for refinery, fuel terminal, pipeline and 3rd Test House Use
- 18. How long is the warranty period for the HPLC system?**
 - a. SetaAnalytics offers a 12 month warranty period on all HPLC hardware equipment that is used following the IP, ASTM or EN methods with the appropriate samples cited in the scope of the methods