



# EPA 8270D Analyzer Kit

Update your lab and overcome the challenges of semi-volatile (SVOC) analysis

The Thermo Scientific™ EPA 8270D Analyzer Kit is a complete solution designed to ease the implementation and management of semi-volatiles (SVOC) analysis regardless of the method complexity and experience level of the user. The EPA 8270D Analyzer Kit is specifically developed to fulfill EPA methods requirements.

**The EPA 8270D Analyzer Kit (P/N 1R120400-8270) includes:**

- Column, liners, septa and ferrules specifically designed for EPA semi-volatile analysis
- CD with specific e-workflow, method, compound retention time database reports and user guide
- User guide and video tutorial for method set-up ensure that your instrument is up and running with the EPA Method 8270D immediately after the system installation
- Based upon your preference, either the Thermo Scientific™ Dionex™ Chromeleon™ Chromatography Data System (version 7.2 SR4 MUB or newer) or the Thermo Scientific™ TraceFinder™ software (EFS version 4.1 or newer) will guarantee that you meet all reporting requirements



Eval Mass (m/z)	Ion Abundance Criteria	Measured % Relative Abundance	Criteria Pass/Fail
51	greater than or equal to 10% AND less than or equal to 80% of Base Peak	20.7	Pass
68	less than 2% of (m/z) 69	0.7	Pass
70	less than 2% of (m/z) 69	0.5	Pass
127	greater than or equal to 10% AND less than or equal to 80% of Base Peak	29.4	Pass
197	less than 2% of (m/z) 198	0.1	Pass
198	greater than 50% AND less than or equal to 100% of Base Peak	57.5	Pass
199	greater than or equal to 5% AND less than or equal to 9% of (m/z) 198	5.9	Pass
275	greater than or equal to 10% AND less than or equal to 60% of Base Peak	17.2	Pass
365	greater than 1% of (m/z) 198	4.6	Pass
441	greater than 0% AND less than 24% of (m/z) 442	17.4	Pass
442	greater than 50% AND less than or equal to 100% of Base Peak	100	Pass
443	greater than or equal to 15% AND less than 24% of (m/z) 442	18.1	Pass

- An optional Thermo Scientific™ Instant Connect Helium Saver Module is available to dramatically reduce helium consumption and extend helium cylinder lifetime, without any GC or GC-MS method modifications and with no effect on chromatography and method performance.
- The EPA 8270D Kit is designed for the Thermo Scientific™ ISQ Single Quadrupole GC-MS systems coupled with the Thermo Scientific™ TRACE™ 1300 Series Gas Chromatograph. The TRACE 1300 Series GC system incorporates the latest technology conceived to substantially elevate routine laboratory performance. User-installable, miniaturized, plug-in injectors and detectors redefine usability in routine and high-throughput laboratories.

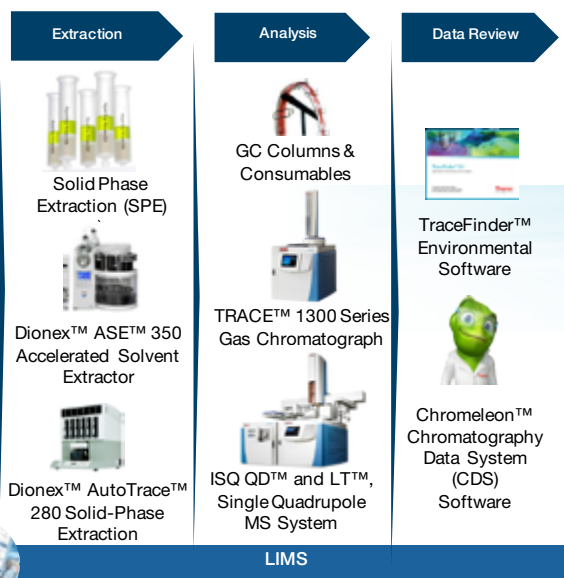
The ISQ GC-MS systems feature time-proven technology developed with the accumulation of almost 50 years of mass spectrometry innovation, offering a robust solution with unstoppable productivity. Unlike other systems, the Thermo Scientific™ ISQ™ LT Single Quadrupole GC-MS System does not need to be vented to exchange the ion source, thanks to the Vacuum Probe Interlock (VPI). With this, the ISQ LT system boasts industry-best sensitivity, the lowest detection limits, and unlimited, remarkable flexibility.

## Thermo Scientific GC columns and accessories:

Thermo Scientific™ TraceGOLD™ GC columns offer high temperature stability and exhibit low bleed and long lifetimes. TraceGOLD columns provide excellent qualitative and quantitative performance, with guaranteed reproducibility. Thermo Scientific's offering of GC accessories includes all of the consumables and tools necessary for today's gas chromatographer.



### Complete Solutions for EPA Method 8270D



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