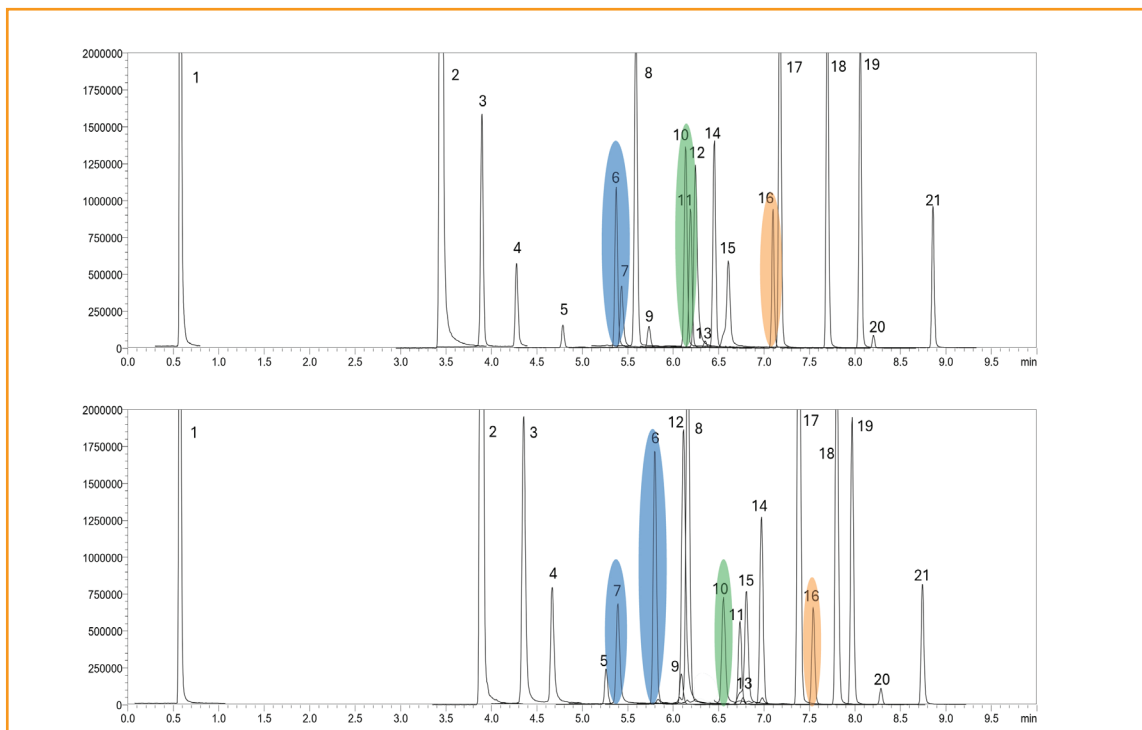




Drugs of Abuse Selectivity on HALO® ELEVATE Phases: C18 and Phenyl-Hexyl

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PEAK IDENTITIES:

1. Ecgonine
2. Benzoylecgonine
3. Oxycodone
4. Noroxycodone
5. 6-Acetylmorphine
6. Levamisole
7. Amphetamine
8. Naloxone
9. Hydrocodone
10. Oxycodone
11. Alpha-Hydroxyl-prazolam
12. Methamphetamine
13. Heroin
14. Alprazolam
15. Xylazine
16. Diazepam
17. Cocaine
18. Cocaethylene
19. Diphenhydramine
20. Fentanyl
21. Methadone

TEST CONDITIONS:

Column: HALO 120 Å Elevate C18 , 2.7 µm, 2.1 x 100 mm
 HALO 120 Å Elevate Phenyl-Hexyl , 2.7 µm, 2.1 x 100 mm

Part Number: 92272-602

Part Number: 92272-606

Mobile Phase A: Water + 0.1% Ammonium Hydroxide

Mobile Phase B: Methanol

Gradient:	Time	% B
	0.0	10
	1.0	10
	10	100
	12	100
	13.5	10

Flow Rate: 0.4 mL/min.

Pressure C18: 212 bar

Pressure PhenHex: 209 bar

Temperature: 50 °C

Injection Volume: 1.0 µL

Sample Solvent: RNase Free Water

LC System: Shimadzu Nexera X2

MS System: Shimadzu 8060

This panel of 21 drugs and metabolites run via LC-MS/MS demonstrates selectivity differences between ELEVATE C18 and ELEVATE Phenyl-Hexyl. Several peaks are highlighted to demonstrate the value of selectivity differences depending on the peak of interest. HALO® ELEVATE is offered in three phases to allow for peak selectivity differences.