|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **20 Second per Sample LS-1 TnE Conditions** | | | | |
| **Column:** | PS-DVB 1.5 X 5mm | | | |
| **Mobile Phase A:** | Water with 0.1% Formic Acid | | | |
| **Mobile Phase B:** | 90:10 Acetonitrile:Water with 0.1% Formic Acid | | | |
| **System Solvent:** | Water with 0.1% Formic Acid | | | |
| **Wash Solvent** | 50:50 Water/Acetonitrile | | | |
| **Temperature (°C):** | Ambient | | | |
| **Step** | **Total Time (s)** | **Flow Rate (µl/min)** | **A1 (%)** | **B1 (%)** |
| Load | 0 - 5 | 800 | 100 | 0 |
| Elute | 5 - 15 | 800 | 0 | 100 |
| Equilibrate | 15 - 20 | 800 | 100 | 0 |

Table S4. Trap-and-elute conditions used for the initial method development and analysis of Tier 1 assays using the LS-1 autosamplers, with an injection made every 20 seconds.