

Nachvollziehbare Berechnungen der H-Werte

Rechenweg: $tR_{column} = tR_{total} - tR_{extra}$, $W_{column} = \sqrt{\sigma^2_{total} - \sigma^2_{extra}}$, $N = (tR_{column} / W_{column})^2$, $HETP = 150 \text{ mm} / N$

Messung	tR_{total} (min)	σ^2_{total} (min ²)	tR_{extra} (min)	σ^2_{extra} (min ²)	tR_{column} (min)	W_{column} (min)	N	HETP (mm)
1	21.423	0.212	1.633	0.053	19.790	0.399	2461.111	0.061
2	15.287	0.087	1.155	0.027	14.132	0.244	3347.518	0.045
3	10.716	0.036	0.810	0.016	9.906	0.143	4783.185	0.031
4	7.142	0.015	0.537	0.008	6.605	0.084	6216.935	0.024
5	5.364	0.008	0.402	0.005	4.963	0.061	6658.995	0.023
6	4.290	0.005	0.323	0.004	3.967	0.042	8827.680	0.017
7	3.576	0.003	0.268	0.002	3.307	0.031	11122.211	0.013
8	1.800	0.001	0.136	0.001	1.664	0.017	9868.250	0.015
9	1.354	0.001	0.102	0.000	1.252	0.010	15434.899	0.010
10	1.206	0.000	0.091	0.000	1.115	0.010	12089.229	0.012