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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1090 SAS No.: Q1090 SDG No.: Q1090

Instrument ID: MSVOA_L Calibration Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:55 16:05

GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID: RRF010 = VL041889.D RRF002 = VL041890.D RRF001 = VL041891.D
RRF0.5 = VL041892.D RRF0.1 = VL041893.D RRF.03 = VL041894.D

COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	$\overline{\text{RRF}}$	% RSD
Vinyl Chloride	0.466	0.502	0.531	0.561	0.578	0.504	0.519	7.6
Heptane	1.530	1.635	1.616	1.536			1.571	3.2
1,1-Dichloroethene	0.458	0.514	0.517	0.520			0.501	5.2
Cyclohexane	1.082	1.145	1.193	1.037			1.111	5.4
cis-1,2-Dichloroethene	1.272	1.390	1.397	1.406			1.349	5
1,1,1-Trichloroethane	1.905	1.956	2.010	1.942	1.841	1.937	1.938	2.8
2,2,4-Trimethylpentane	1.457	1.566	1.501	1.450			1.484	3.5
Benzene	0.882	0.949	0.949	0.926			0.917	3.8
Trichloroethene	0.354	0.373	0.374	0.381	0.427	0.286	0.364	11.6
Toluene	1.011	1.048	0.996	0.934			0.999	4.1
1,2-Dibromoethane	0.454	0.494	0.468	0.488	0.440		0.469	4.3
Tetrachloroethene	0.292	0.330	0.329	0.317	0.348	0.320	0.318	6.5
Ethyl Benzene	1.551	1.653	1.563	1.507			1.563	3.5
m/p-Xylene	1.223	1.355	1.265	1.186			1.253	5.1
o-Xylene	1.224	1.348	1.241	1.179			1.243	5.1
1,3,5-Trimethylbenzene	1.263	1.448	1.360	1.222			1.313	6.9
1,2,4-Trimethylbenzene	1.346	1.607	1.456	1.359			1.422	8
Naphthalene	1.255	1.941	1.682	1.479	0.978		1.432	24
1-Bromo-4-Fluorobenzene	0.782	0.795	0.792	0.784	0.785	0.783	0.788	0.7
Hexane	1.261	1.388	1.249	1.265			1.281	4.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.