

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2018 SAS No.: Q2018 SDG No.: Q2018

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF020 = VX046041.D			RRF050 = VX046042.D		RRF100 = VX046043.D			
	RRF150 = VX046044.D			RRF005 = VX046046.D		RRF001 = VX046047.D			
COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	RRF	% RSD	
Chloromethane	0.727	0.775	0.787	0.791	0.679	0.694	0.742	6.6	
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2	
Bromomethane	0.296	0.326	0.340	0.334	0.305		0.320	5.8	
Chloroethane	0.354	0.378	0.329	0.317	0.368	0.467	0.369	14.4	
Tert butyl alcohol	0.122	0.129	0.144	0.146	0.114		0.131	10.4	
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9	
Acetone	0.361	0.362	0.361	0.370	0.408	0.380	0.374	4.9	
Carbon Disulfide	1.295	1.455	1.522	1.597	1.141	1.423	1.406	11.7	
Methyl tert-butyl Ether	2.044	2.160	2.172	2.239	1.908	1.949	2.079	6.4	
Methylene Chloride	0.689	0.684	0.691	0.691	0.689	0.853	0.716	9.4	
trans-1,2-Dichloroethene	0.573	0.610	0.612	0.622	0.557	0.604	0.596	4.3	
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6	
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8	
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6	
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5	
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3	
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6	
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3	
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5	
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3	
1,2-Dichloropropane	0.356	0.371	0.368	0.378	0.324	0.317	0.352	7.4	
Bromodichloromethane	0.557	0.577	0.573	0.594	0.498	0.485	0.547	8.2	
4-Methyl-2-Pentanone	0.620	0.634	0.630	0.631	0.555	0.561	0.605	6	
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5	
t-1,3-Dichloropropene	0.468	0.528	0.555	0.591	0.406	0.371	0.487	17.9	
cis-1,3-Dichloropropene	0.531	0.578	0.602	0.623	0.469	0.423	0.538	14.6	
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3	
2-Hexanone	0.466	0.473	0.477	0.473	0.414	0.385	0.448	8.7	
Dibromochloromethane	0.378	0.400	0.415	0.431	0.326	0.306	0.376	13.3	
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8	

* 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.

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Lab Name:	<u>CHEMTECH</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2018</u>
Instrument ID:	<u>MSVOA_X</u>	SAS No.:	<u>Q2018</u>
Heated Purge: (Y/N)	<u>N</u>	SDG No.:	<u>Q2018</u>
GC Column:	<u>DB-624UI</u>	Calibration Date(s):	<u>05/05/2025</u>
ID:	<u>0.18 (mm)</u>	Calibration Time(s):	<u>11:35</u>
			<u>16:27</u>

LAB FILE ID:		RRF020 = VX046041.D		RRF050 = VX046042.D		RRF100 = VX046043.D		
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COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	RRF	% RSD
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7
Styrene	1.135	1.219	1.214	1.230	1.012	0.951	1.127	10.6
Bromoform	0.270	0.304	0.312	0.327	0.236	0.234	0.281	14.2
1,1,2,2-Tetrachloroethane	1.315	1.338	1.284	1.345	1.350	1.552	1.364	7
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

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