

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1463 SAS No.: Q1463 SDG No.: Q1463
Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025
Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15
GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF010 = VY021397.D		RRF020 = VY021398.D		RRF050 = VY021399.D			
		RRF100 = VY021400.D		RRF150 = VY021401.D		RRF005 = VY021403.D			
COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	RRF	% RSD	
Chloromethane	0.694	0.588	0.617	0.608	0.580	0.793	0.647	12.7	
Vinyl Chloride	0.762	0.639	0.691	0.706	0.665	0.778	0.707	7.7	
Bromomethane	0.555	0.450	0.468	0.483	0.468	0.641	0.511	14.4	
Chloroethane	0.505	0.427	0.460	0.458	0.432	0.521	0.467	8.2	
Tert butyl alcohol	0.049	0.036	0.038	0.030	0.033	0.061	0.041	28.3	
1,1-Dichloroethene	0.542	0.460	0.506	0.512	0.494	0.566	0.514	7.2	
Acetone	0.124	0.091	0.134	0.103	0.095	0.144	0.115	18.9	
Carbon Disulfide	1.705	1.425	1.631	1.618	1.546	1.732	1.610	7	
Methyl tert-butyl Ether	1.290	1.177	1.366	1.299	1.315	1.364	1.302	5.3	
Methylene Chloride	0.717	0.538	0.552	0.530	0.507	0.788	0.605	19.4	
trans-1,2-Dichloroethene	0.608	0.516	0.564	0.570	0.545	0.648	0.575	8.1	
1,1-Dichloroethane	1.124	0.955	1.050	1.035	0.991	1.179	1.056	7.9	
2-Butanone	0.160	0.136	0.181	0.149	0.151	0.180	0.159	11.2	
Carbon Tetrachloride	0.627	0.538	0.587	0.595	0.579	0.625	0.592	5.6	
cis-1,2-Dichloroethene	0.675	0.592	0.654	0.658	0.639	0.702	0.653	5.6	
Chloroform	1.181	0.992	1.087	1.066	1.029	1.222	1.096	8.1	
1,1,1-Trichloroethane	1.063	0.894	0.978	0.983	0.953	1.151	1.004	9	
Benzene	1.554	1.366	1.542	1.540	1.473	1.618	1.515	5.7	
1,2-Dichloroethane	0.446	0.386	0.436	0.414	0.408	0.453	0.424	6.1	
Trichloroethene	0.390	0.349	0.381	0.384	0.378	0.415	0.383	5.5	
1,2-Dichloropropane	0.371	0.333	0.368	0.358	0.347	0.388	0.361	5.3	
Bromodichloromethane	0.550	0.485	0.548	0.535	0.521	0.559	0.533	5	
4-Methyl-2-Pentanone	0.210	0.202	0.263	0.230	0.243	0.219	0.228	9.9	
Toluene	0.952	0.853	0.988	0.997	0.958	0.983	0.955	5.6	
t-1,3-Dichloropropene	0.447	0.420	0.499	0.495	0.495	0.461	0.470	6.8	
cis-1,3-Dichloropropene	0.544	0.498	0.587	0.579	0.566	0.570	0.557	5.8	
1,1,2-Trichloroethane	0.264	0.237	0.283	0.259	0.257	0.274	0.263	6	
2-Hexanone	0.135	0.129	0.182	0.156	0.163	0.139	0.151	13.1	
Dibromochloromethane	0.358	0.327	0.376	0.363	0.361	0.374	0.360	4.9	
Tetrachloroethene	0.418	0.370	0.403	0.407	0.393	0.449	0.407	6.5	

* 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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Chlorobenzene	1.194	1.065	1.186	1.192	1.165	1.283	1.181	5.9	
Ethyl Benzene	2.005	1.825	2.135	2.209	2.146	2.115	2.072	6.7	
m/p-Xylenes	0.761	0.705	0.822	0.833	0.803	0.797	0.787	6	
o-Xylene	0.700	0.635	0.759	0.779	0.754	0.723	0.725	7.2	
Styrene	1.133	1.084	1.277	1.306	1.267	1.151	1.203	7.6	
Bromoform	0.227	0.213	0.250	0.237	0.238	0.235	0.233	5.3	
1,1,2,2-Tetrachloroethane	0.712	0.637	0.727	0.667	0.690	0.737	0.695	5.4	
1,2-Dichloroethane-d4	0.580	0.514	0.482	0.511	0.477	0.606	0.528	10	
Dibromofluoromethane	0.348	0.315	0.296	0.332	0.311	0.371	0.329	8.3	
Toluene-d8	1.276	1.179	1.135	1.289	1.203	1.384	1.244	7.2	
4-Bromofluorobenzene	0.424	0.394	0.386	0.433	0.405	0.498	0.423	9.6	

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