

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371
 Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY022776.D		RRF010 = VY022777.D		RRF020 = VY022778.D			
		RRF050 = VY022779.D		RRF100 = VY022780.D		RRF150 = VY022781.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.424	0.456	0.474	0.424	0.404	0.384	0.428	7.7	
Chloromethane	0.837	0.921	0.865	0.793	0.758	0.724	0.816	8.9	
Vinyl Chloride	0.934	1.099	1.091	1.045	0.993	0.958	1.020	6.8	
Bromomethane	0.784	0.885	0.854	0.771	0.760	0.756	0.802	6.8	
Chloroethane	0.649	0.736	0.722	0.694	0.673	0.640	0.686	5.6	
Trichlorofluoromethane	0.999	1.180	1.219	1.166	1.127	1.085	1.129	7	
1,1,2-Trichlorotrifluoroethane	0.508	0.560	0.547	0.515	0.492	0.474	0.516	6.3	
1,1-Dichloroethene	0.478	0.539	0.524	0.514	0.500	0.483	0.506	4.7	
Acetone	0.117	0.124	0.114	0.095	0.096	0.087	0.105	13.9	
Carbon Disulfide	1.516	1.705	1.731	1.667	1.625	1.566	1.635	5.1	
Methyl tert-butyl Ether	1.173	1.398	1.396	1.435	1.460	1.405	1.378	7.5	
Methyl Acetate	0.272	0.358	0.440	0.351	0.353	0.322	0.349	15.7	
Methylene Chloride	0.840	0.777	0.664	0.590	0.578	0.548	0.666	17.7	
trans-1,2-Dichloroethene	0.521	0.604	0.597	0.592	0.581	0.575	0.578	5.2	
1,1-Dichloroethane	0.949	1.075	1.079	1.077	1.055	1.030	1.044	4.8	
Cyclohexane	0.998	1.021	0.988	0.946	0.905	0.894	0.959	5.4	
2-Butanone	0.145	0.160	0.160	0.153	0.156	0.147	0.154	4.4	
Carbon Tetrachloride	0.439	0.498	0.507	0.491	0.492	0.491	0.486	5	
cis-1,2-Dichloroethene	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.8	
Bromochloromethane	0.437	0.431	0.437	0.459	0.443	0.427	0.439	2.6	
Chloroform	0.986	1.130	1.099	1.096	1.084	1.059	1.076	4.6	
1,1,1-Trichloroethane	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.7	
Methylcyclohexane	0.543	0.589	0.610	0.618	0.608	0.611	0.596	4.7	
Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.9	
1,2-Dichloroethane	0.335	0.397	0.402	0.400	0.404	0.392	0.388	6.8	
Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.6	
1,2-Dichloropropane	0.289	0.339	0.345	0.339	0.341	0.337	0.332	6.4	
Bromodichloromethane	0.422	0.495	0.496	0.498	0.504	0.498	0.485	6.4	
4-Methyl-2-Pentanone	0.168	0.201	0.215	0.226	0.230	0.221	0.210	10.9	
Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.8	

* 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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COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.355	0.430	0.438	0.451	0.473	0.473	0.437	10	
cis-1,3-Dichloropropene	0.412	0.503	0.523	0.524	0.540	0.538	0.506	9.6	
1,1,2-Trichloroethane	0.207	0.249	0.249	0.253	0.255	0.250	0.244	7.4	
2-Hexanone	0.115	0.140	0.145	0.151	0.157	0.149	0.143	10.5	
Dibromochloromethane	0.260	0.315	0.321	0.329	0.336	0.329	0.315	8.8	
1,2-Dibromoethane	0.193	0.231	0.229	0.237	0.244	0.236	0.228	7.8	
Tetrachloroethene	0.399	0.465	0.535	0.515	0.473	0.446	0.472	10.3	
Chlorobenzene	0.981	1.110	1.131	1.126	1.130	1.114	1.099	5.3	
Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.9	
m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.8	
o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	10	
Styrene	0.926	1.108	1.165	1.249	1.309	1.309	1.178	12.5	
Bromoform	0.178	0.204	0.203	0.212	0.225	0.220	0.207	8	
Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.7	
1,1,2,2-Tetrachloroethane	0.597	0.659	0.566	0.567	0.594	0.593	0.596	5.6	
1,3-Dichlorobenzene	1.546	1.660	1.692	1.708	1.750	1.744	1.683	4.5	
1,4-Dichlorobenzene	1.564	1.740	1.688	1.685	1.690	1.666	1.672	3.5	
1,2-Dichlorobenzene	1.395	1.488	1.502	1.499	1.515	1.502	1.483	3	
1,2-Dibromo-3-Chloropropane	0.102	0.101	0.103	0.103	0.102	0.096	0.101	2.7	
1,2,4-Trichlorobenzene	0.778	0.841	0.848	0.843	0.871	0.845	0.838	3.7	
1,2,3-Trichlorobenzene	0.679	0.723	0.735	0.728	0.751	0.727	0.724	3.3	
1,2-Dichloroethane-d4	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.8	
Dibromofluoromethane	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.3	
Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.6	
4-Bromofluorobenzene	0.368	0.362	0.370	0.385	0.423	0.421	0.388	7	

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