

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q1762 SAS No.: Q1762 SDG No.: Q1762
 Instrument ID: MSVOA_X Calibration Date(s): 04/01/2025 04/01/2025
 Heated Purge: (Y/N) N Calibration Time(s): 17:06 19:02
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX045525.D			RRF005 = VX045526.D		RRF020 = VX045527.D		RRF050 = VX045528.D		RRF100 = VX045529.D		RRF150 = VX045530.D	
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD					
Dichlorodifluoromethane	0.615	0.695	0.700	0.820	0.837	0.820	0.748	12.1					
Chloromethane	0.764	0.734	0.777	0.784	0.815	0.734	0.768	4.1					
Vinyl Chloride	0.671	0.662	0.701	0.716	0.738	0.730	0.703	4.4					
Bromomethane		0.342	0.327	0.330	0.341	0.327	0.333	2.2					
Chloroethane	0.378	0.397	0.390	0.398	0.355	0.319	0.373	8.3					
Trichlorofluoromethane	1.051	0.999	1.075	1.086	1.089	0.989	1.048	4.2					
1,1,2-Trichlorotrifluoroethane	0.575	0.599	0.635	0.621	0.621	0.634	0.614	3.7					
1,1-Dichloroethene	0.563	0.588	0.612	0.604	0.618	0.616	0.600	3.5					
Acetone	0.400	0.369	0.387	0.378	0.365	0.355	0.375	4.3					
Carbon Disulfide	1.334	1.327	1.434	1.553	1.604	1.642	1.483	9.2					
Methyl tert-butyl Ether	1.915	1.964	2.169	2.118	2.217	2.216	2.100	6.2					
Methyl Acetate	0.901	0.863	0.864	0.857	0.855	0.846	0.864	2.2					
Methylene Chloride	0.692	0.695	0.726	0.709	0.705	0.690	0.703	2					
trans-1,2-Dichloroethene	0.574	0.594	0.636	0.624	0.621	0.630	0.613	3.9					
1,1-Dichloroethane	1.211	1.240	1.318	1.269	1.283	1.292	1.269	3					
Cyclohexane		1.044	1.148	1.123	1.145	1.149	1.122	4					
2-Butanone	0.474	0.537	0.582	0.586	0.571	0.548	0.550	7.5					
Carbon Tetrachloride	0.450	0.497	0.521	0.536	0.545	0.556	0.518	7.5					
cis-1,2-Dichloroethene	0.762	0.696	0.760	0.751	0.754	0.760	0.747	3.4					
Bromochloromethane	0.671	0.608	0.617	0.596	0.610	0.576	0.613	5.2					
Chloroform	1.244	1.309	1.348	1.315	1.309	1.309	1.306	2.6					
1,1,1-Trichloroethane	1.028	1.052	1.120	1.109	1.153	1.167	1.105	5					
Methylcyclohexane	0.519	0.527	0.596	0.622	0.628	0.632	0.587	8.8					
Benzene	1.414	1.416	1.519	1.481	1.483	1.465	1.463	2.8					
1,2-Dichloroethane	0.533	0.585	0.649	0.622	0.620	0.617	0.604	6.7					
Trichloroethene	0.349	0.322	0.356	0.351	0.351	0.356	0.348	3.7					
1,2-Dichloropropane	0.309	0.365	0.388	0.376	0.379	0.374	0.365	7.8					
Bromodichloromethane	0.521	0.519	0.576	0.572	0.587	0.583	0.560	5.6					
4-Methyl-2-Pentanone	0.499	0.578	0.661	0.663	0.647	0.589	0.606	10.6					
Toluene	0.817	0.866	0.939	0.910	0.905	0.875	0.885	4.8					

* 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	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.316	0.400	0.465	0.508	0.555	0.558	0.467	20.3
cis-1,3-Dichloropropene	0.371	0.474	0.546	0.568	0.597	0.600	0.526	16.9
1,1,2-Trichloroethane	0.337	0.346	0.376	0.359	0.358	0.340	0.353	4.1
2-Hexanone	0.363	0.429	0.488	0.492	0.484	0.439	0.449	11.1
Dibromochloromethane	0.313	0.352	0.404	0.412	0.421	0.405	0.385	11.1
1,2-Dibromoethane	0.294	0.351	0.380	0.373	0.380	0.364	0.357	9.1
Tetrachloroethene	0.346	0.373	0.371	0.347	0.333	0.347	0.353	4.5
Chlorobenzene	0.951	1.054	1.123	1.084	1.086	1.112	1.068	5.8
Ethyl Benzene	1.608	1.819	2.002	2.007	1.993	2.053	1.914	8.9
m/p-Xylenes	0.594	0.669	0.732	0.728	0.723	0.729	0.696	7.9
o-Xylene	0.562	0.676	0.725	0.719	0.716	0.714	0.686	9.2
Styrene	0.897	1.043	1.202	1.216	1.230	1.202	1.132	11.8
Bromoform	0.220	0.252	0.272	0.296	0.307	0.315	0.277	13.1
Isopropylbenzene	3.581	3.850	4.224	4.181	4.043	4.151	4.005	6.2
1,1,2,2-Tetrachloroethane	1.457	1.428	1.461	1.384	1.354	1.358	1.407	3.4
1,3-Dichlorobenzene	1.658	1.605	1.726	1.699	1.714	1.706	1.684	2.7
1,4-Dichlorobenzene	1.671	1.724	1.768	1.703	1.674	1.706	1.708	2.1
1,2-Dichlorobenzene	1.644	1.645	1.750	1.678	1.665	1.667	1.675	2.3
1,2-Dibromo-3-Chloropropane	0.196	0.260	0.312	0.316	0.333	0.349	0.294	19.4
1,2,4-Trichlorobenzene	0.727	0.844	0.948	0.947	1.045	1.083	0.932	14.1
1,2,3-Trichlorobenzene	0.782	0.916	0.999	1.000	1.063	1.097	0.976	11.6
1,2-Dichloroethane-d4		0.962	0.900	0.868	0.904	0.937	0.914	3.9
Dibromofluoromethane		0.372	0.342	0.345	0.353	0.362	0.355	3.5
Toluene-d8		1.257	1.233	1.214	1.230	1.257	1.238	1.5
4-Bromofluorobenzene		0.413	0.448	0.453	0.481	0.460	0.451	5.5

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