

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q1004 SAS No.: Q1004 SDG No.: Q1004
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	
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	
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	
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	
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	
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	

* 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	
Dibromochloromethane	0.313	0.352	0.404	0.412	0.421	0.405	0.385	11.1	
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-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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