

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2118 SAS No.: Q2118 SDG No.: Q2118

Instrument ID: MSVOA_Y Calibration Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 11:47

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY022253.D			RRF010 = VY022254.D		RRF020 = VY022255.D			
	RRF050 = VY022256.D			RRF100 = VY022257.D		RRF150 = VY022258.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Chloromethane	1.212	1.237	1.153	1.042	1.046	0.894	1.097	11.7	
Vinyl Chloride	1.265	1.317	1.264	1.210	1.190	1.110	1.226	5.9	
Bromomethane	1.107	1.033	1.058	0.877	0.955	0.959	0.998	8.3	
Chloroethane	0.751	0.814	0.796	0.756	0.733	0.727	0.763	4.6	
Trichlorofluoromethane	1.254	1.292	1.260	1.214	1.211	1.217	1.241	2.6	
1,1,2-Trichlorotrifluoroethane	0.548	0.577	0.544	0.538	0.507	0.520	0.539	4.5	
1,1-Dichloroethene	0.545	0.544	0.540	0.539	0.518	0.523	0.535	2.2	
Acetone	0.126	0.114	0.096	0.093	0.094	0.092	0.102	13.6	
Carbon Disulfide	1.768	1.822	1.764	1.753	1.679	1.679	1.744	3.2	
Methyl tert-butyl Ether	1.463	1.523	1.393	1.459	1.504	1.507	1.475	3.2	
Methylene Chloride	0.797	0.811	0.646	0.597	0.570	0.552	0.662	17.3	
trans-1,2-Dichloroethene	0.577	0.609	0.603	0.592	0.580	0.581	0.590	2.2	
1,1-Dichloroethane	1.112	1.136	1.099	1.117	1.093	1.082	1.106	1.7	
2-Butanone	0.180	0.181	0.158	0.161	0.174	0.174	0.171	5.6	
Carbon Tetrachloride	0.485	0.524	0.494	0.516	0.509	0.524	0.509	3.2	
cis-1,2-Dichloroethene	0.662	0.687	0.668	0.691	0.687	0.693	0.681	1.9	
Chloroform	1.032	1.079	1.067	1.079	1.054	1.057	1.061	1.7	
1,1,1-Trichloroethane	1.007	0.997	0.960	0.969	0.944	0.964	0.974	2.4	
Methylcyclohexane	0.664	0.678	0.645	0.670	0.639	0.667	0.660	2.3	
Benzene	1.369	1.462	1.435	1.499	1.482	1.496	1.457	3.4	
1,2-Dichloroethane	0.381	0.399	0.378	0.402	0.403	0.402	0.394	2.9	
Trichloroethene	0.358	0.366	0.361	0.371	0.356	0.363	0.362	1.5	
1,2-Dichloropropane	0.337	0.361	0.344	0.357	0.354	0.355	0.351	2.6	
Bromodichloromethane	0.466	0.494	0.476	0.506	0.504	0.504	0.492	3.4	
4-Methyl-2-Pentanone	0.238	0.247	0.230	0.253	0.275	0.275	0.253	7.4	
Toluene	0.871	0.924	0.890	0.944	0.947	0.961	0.923	3.8	
t-1,3-Dichloropropene	0.464	0.473	0.457	0.487	0.498	0.499	0.480	3.7	
cis-1,3-Dichloropropene	0.523	0.548	0.535	0.562	0.562	0.568	0.550	3.2	
1,1,2-Trichloroethane	0.241	0.243	0.232	0.243	0.248	0.249	0.243	2.4	
2-Hexanone	0.167	0.167	0.151	0.166	0.183	0.185	0.170	7.4	

* 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	
Dibromochloromethane	0.296	0.314	0.298	0.323	0.329	0.330	0.315	4.9	
Tetrachloroethene	0.474	0.481	0.470	0.474	0.446	0.429	0.462	4.4	
Chlorobenzene	1.112	1.110	1.106	1.154	1.143	1.143	1.128	1.9	
Ethyl Benzene	2.014	2.043	2.049	2.175	2.173	2.222	2.113	4.1	
m/p-Xylenes	0.749	0.770	0.763	0.818	0.825	0.852	0.796	5.2	
o-Xylene	0.704	0.741	0.723	0.768	0.782	0.802	0.753	4.9	
Styrene	1.182	1.214	1.210	1.303	1.335	1.380	1.270	6.3	
Bromoform	0.202	0.214	0.194	0.209	0.219	0.217	0.209	4.5	
Isopropylbenzene	4.157	4.192	4.100	4.197	4.028	4.181	4.142	1.6	
1,1,2,2-Tetrachloroethane	0.656	0.647	0.581	0.628	0.645	0.666	0.637	4.8	
1,3-Dichlorobenzene	1.757	1.774	1.715	1.838	1.839	1.914	1.806	4	
1,4-Dichlorobenzene	1.759	1.765	1.706	1.750	1.723	1.720	1.737	1.4	
1,2-Dichlorobenzene	1.526	1.520	1.479	1.534	1.520	1.523	1.517	1.3	
1,2-Dichloroethane-d4	0.547	0.559	0.527	0.541	0.545	0.560	0.546	2.2	
Dibromofluoromethane	0.294	0.294	0.294	0.301	0.297	0.310	0.298	2.2	
Toluene-d8	1.224	1.200	1.195	1.230	1.214	1.272	1.222	2.3	
4-Bromofluorobenzene	0.390	0.386	0.368	0.387	0.387	0.407	0.387	3.3	

* Compounds with required minimum RRF and maximum %RSD values.
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