

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): 05/27/2025 05/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 08:50 10:44

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

LAB FILE ID:		RRF005 = VY022421.D		RRF010 = VY022422.D		RRF020 = VY022423.D		RRF050 = VY022424.D		RRF100 = VY022425.D		RRF150 = VY022426.D	
COMPOUND		RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD				
Chloromethane		1.364	1.331	1.300	1.196	0.936	0.912	1.173	17.1				
Vinyl Chloride		1.535	1.493	1.522	1.453	1.292	1.257	1.425	8.5				
Bromomethane		1.261	1.281	1.397	1.275	1.213	1.345	1.295	5.1				
Chloroethane		0.930	0.881	0.949	1.015	0.907	0.907	0.932	5				
Trichlorofluoromethane		1.243	1.174	1.222	1.197	1.187	1.193	1.203	2.1				
1,1,2-Trichlorotrifluoroethane		0.552	0.517	0.541	0.520	0.523	0.512	0.528	2.9				
1,1-Dichloroethene		0.552	0.512	0.533	0.511	0.520	0.515	0.524	3				
Acetone		0.094	0.090	0.081	0.085	0.086	0.083	0.087	5.6				
Carbon Disulfide		1.672	1.675	1.707	1.653	1.672	1.650	1.672	1.2				
Methyl tert-butyl Ether		1.353	1.359	1.357	1.386	1.445	1.445	1.391	3.1				
Methylene Chloride		0.778	0.669	0.578	0.549	0.550	0.543	0.611	15.5				
trans-1,2-Dichloroethene		0.595	0.556	0.555	0.561	0.582	0.582	0.572	2.9				
1,1-Dichloroethane		1.000	0.986	1.035	1.027	1.062	1.056	1.028	2.9				
2-Butanone		0.137	0.144	0.136	0.142	0.152	0.154	0.144	5.2				
Carbon Tetrachloride		0.473	0.456	0.471	0.481	0.510	0.512	0.484	4.7				
cis-1,2-Dichloroethene		0.655	0.647	0.650	0.652	0.684	0.685	0.662	2.6				
Chloroform		0.966	0.970	1.023	1.026	1.052	1.038	1.013	3.5				
1,1,1-Trichloroethane		0.900	0.894	0.916	0.913	0.952	0.940	0.919	2.5				
Methylcyclohexane		0.611	0.602	0.603	0.614	0.638	0.636	0.618	2.6				
Benzene		1.308	1.312	1.360	1.391	1.463	1.461	1.383	5				
1,2-Dichloroethane		0.348	0.348	0.360	0.369	0.383	0.384	0.365	4.5				
Trichloroethene		0.334	0.325	0.344	0.343	0.357	0.347	0.342	3.3				
1,2-Dichloropropane		0.321	0.307	0.318	0.323	0.342	0.339	0.325	4				
Bromodichloromethane		0.452	0.449	0.449	0.464	0.493	0.494	0.467	4.5				
4-Methyl-2-Pentanone		0.185	0.197	0.198	0.218	0.237	0.242	0.213	10.8				
Toluene		0.782	0.805	0.842	0.868	0.929	0.957	0.864	7.9				
t-1,3-Dichloropropene		0.400	0.414	0.416	0.434	0.472	0.473	0.435	7.1				
cis-1,3-Dichloropropene		0.477	0.480	0.504	0.508	0.549	0.547	0.511	6.1				
1,1,2-Trichloroethane		0.219	0.216	0.226	0.229	0.243	0.243	0.229	5.1				
2-Hexanone		0.121	0.125	0.129	0.145	0.157	0.159	0.140	12				

* 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	0.258	0.274	0.284	0.302	0.320	0.321	0.293	8.7	
Tetrachloroethene	0.433	0.417	0.433	0.429	0.429	0.413	0.426	2.1	
Chlorobenzene	1.020	1.000	1.051	1.067	1.132	1.127	1.066	5.1	
Ethyl Benzene	1.823	1.828	1.920	1.980	2.142	2.185	1.980	7.8	
m/p-Xylenes	0.698	0.660	0.723	0.756	0.825	0.841	0.751	9.5	
o-Xylene	0.654	0.637	0.673	0.709	0.768	0.792	0.705	8.9	
Styrene	1.037	1.020	1.117	1.197	1.317	1.359	1.175	12.1	
Bromoform	0.169	0.176	0.184	0.192	0.206	0.210	0.189	8.6	
Isopropylbenzene	3.863	3.741	3.946	3.871	4.105	4.086	3.935	3.6	
1,1,2,2-Tetrachloroethane	0.623	0.574	0.604	0.615	0.652	0.653	0.620	4.8	
1,3-Dichlorobenzene	1.587	1.558	1.674	1.695	1.836	1.874	1.704	7.5	
1,4-Dichlorobenzene	1.596	1.527	1.617	1.642	1.707	1.687	1.629	4	
1,2-Dichlorobenzene	1.383	1.332	1.431	1.416	1.495	1.482	1.423	4.3	
1,2-Dichloroethane-d4	0.507	0.525	0.517	0.532	0.541	0.538	0.527	2.5	
Dibromofluoromethane	0.287	0.281	0.283	0.290	0.309	0.308	0.293	4.3	
Toluene-d8	1.159	1.133	1.168	1.176	1.274	1.251	1.194	4.7	
4-Bromofluorobenzene	0.377	0.331	0.345	0.355	0.382	0.376	0.361	5.7	

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