

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ARDM01
 Lab Code: CHEM Case No.: Q1456 SAS No.: Q1456 SDG No.: Q1456
 Instrument ID: MSVOA_X Calibration Date(s): 02/21/2025 02/21/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:58 11:29
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF005 = VX045008.D		RRF020 = VX045009.D		RRF050 = VX045010.D			
		RRF100 = VX045011.D		RRF150 = VX045012.D		RRF =			
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	RRF	% RSD	
Chloromethane	3.021	2.986	3.118	2.875	3.145		3.029	3.6	
Vinyl Chloride	2.916	2.831	2.918	2.825	3.124		2.923	4.1	
Bromomethane	1.116	0.976	0.995	0.944	1.056		1.017	6.7	
Chloroethane	1.821	1.663	1.752	1.466	1.212		1.583	15.6	
Trichlorofluoromethane	3.982	3.712	3.968	3.809	4.170		3.928	4.5	
1,1-Dichloroethene	2.200	2.142	2.300	2.262	2.491		2.279	5.8	
Acrolein	0.504	0.473	0.527	0.540	0.608		0.530	9.5	
Acrylonitrile	1.204	1.244	1.348	1.284	1.384		1.293	5.7	
Methylene Chloride	2.462	2.482	2.619	2.509	2.745		2.563	4.6	
trans-1,2-Dichloroethene	2.232	2.191	2.345	2.260	2.501		2.306	5.3	
1,1-Dichloroethane	4.525	4.343	4.508	4.473	4.929		4.555	4.8	
Carbon Tetrachloride	0.572	0.548	0.576	0.544	0.581		0.564	3	
Chloroform	4.272	4.258	4.406	4.293	4.771		4.400	4.9	
1,1,1-Trichloroethane	0.674	0.644	0.686	0.644	0.695		0.669	3.5	
Benzene	1.746	1.697	1.785	1.670	1.756		1.731	2.7	
1,2-Dichloroethane	0.598	0.581	0.600	0.577	0.607		0.592	2.2	
Trichloroethene	0.407	0.400	0.412	0.390	0.415		0.405	2.5	
1,2-Dichloropropane	0.430	0.425	0.427	0.427	0.444		0.430	1.8	
Bromodichloromethane	0.610	0.593	0.625	0.601	0.639		0.614	3	
Toluene	2.015	1.952	1.995	1.956	2.019		1.987	1.6	
t-1,3-Dichloropropene	0.527	0.530	0.616	0.618	0.666		0.591	10.3	
cis-1,3-Dichloropropene	0.614	0.635	0.691	0.682	0.726		0.670	6.7	
1,1,2-Trichloroethane	0.405	0.404	0.414	0.389	0.402		0.403	2.2	
2-Chloroethyl vinyl ether	0.301	0.314	0.339	0.326	0.346		0.325	5.6	
Dibromochloromethane	0.427	0.436	0.457	0.440	0.468		0.445	3.8	
Tetrachloroethene	0.389	0.368	0.367	0.356	0.367		0.369	3.3	
Chlorobenzene	1.223	1.214	1.244	1.220	1.257		1.231	1.5	
Ethyl Benzene	2.094	2.100	2.220	2.178	2.286		2.176	3.7	
m/p-Xylenes	0.785	0.816	0.823	0.799	0.831		0.811	2.3	
o-Xylene	0.767	0.798	0.813	0.783	0.816		0.795	2.6	

* 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	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Bromoform	0.251	0.258	0.298	0.281	0.308	0.279	8.9
1,1,2,2-Tetrachloroethane	0.665	0.664	0.703	0.647	0.695	0.675	3.4
1,3-Dichlorobenzene	0.855	0.874	0.905	0.852	0.910	0.879	3.1
1,4-Dichlorobenzene	0.824	0.854	0.910	0.848	0.897	0.867	4.1
1,2-Dichlorobenzene	0.863	0.868	0.894	0.815	0.872	0.863	3.4
1,2-Dichloroethane-d4	2.881	2.881	2.843	2.920	3.044	2.914	2.7
Toluene-d8	1.652	1.669	1.650	1.677	1.651	1.660	0.7
4-Bromofluorobenzene	0.539	0.560	0.565	0.563	0.578	0.561	2.5

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