

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ARDM01
 Lab Code: CHEM Case No.: Q1833 SAS No.: Q1833 SDG No.: Q1833
 Instrument ID: MSVOA_N Calibration Date(s): 04/23/2025 04/23/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:22 13:17
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VN086372.D		RRF020 = VN086373.D		RRF150 = VN086378.D			
		RRF100 = VN086379.D		RRF050 = VN086380.D		RRF =			
COMPOUND	RRF005	RRF020	RRF150	RRF100	RRF050	RRF	RRF	% RSD	
Chloromethane	3.216	2.904	2.653	3.019	2.918		2.942	6.9	
Vinyl Chloride	2.886	2.817	2.651	2.876	2.859		2.818	3.4	
Bromomethane	1.616	1.501	1.345	1.430	1.464		1.471	6.8	
Chloroethane	2.003	1.878	1.799	1.857	1.855		1.879	4	
Trichlorofluoromethane	3.412	3.403	3.188	3.348	3.279		3.326	2.8	
1,1-Dichloroethene	2.187	2.095	2.008	2.096	2.078		2.093	3	
Acrolein	0.278	0.128	0.108	0.118	0.120		0.150	47.8	
Acrylonitrile	1.077	1.106	1.102	1.110	1.125		1.104	1.6	
Methylene Chloride	2.496	2.378	2.310	2.375	2.359		2.383	2.9	
trans-1,2-Dichloroethene	2.358	2.200	2.184	2.227	2.184		2.231	3.3	
1,1-Dichloroethane	4.480	4.324	4.288	4.368	4.318		4.356	1.7	
Carbon Tetrachloride	0.511	0.508	0.530	0.541	0.510		0.520	2.9	
Chloroform	4.536	4.461	4.319	4.386	4.338		4.408	2	
1,1,1-Trichloroethane	0.641	0.613	0.639	0.651	0.616		0.632	2.6	
Benzene	1.686	1.635	1.701	1.748	1.641		1.682	2.8	
1,2-Dichloroethane	0.546	0.533	0.555	0.567	0.530		0.546	2.8	
Trichloroethene	0.410	0.397	0.441	0.440	0.417		0.421	4.6	
1,2-Dichloropropane	0.432	0.402	0.415	0.427	0.402		0.416	3.3	
Bromodichloromethane	0.580	0.571	0.599	0.612	0.579		0.588	2.8	
Toluene	2.025	1.957	2.024	2.071	1.963		2.008	2.4	
t-1,3-Dichloropropene	0.625	0.629	0.691	0.699	0.644		0.657	5.3	
cis-1,3-Dichloropropene	0.668	0.664	0.721	0.732	0.682		0.693	4.5	
1,1,2-Trichloroethane	0.375	0.383	0.401	0.404	0.378		0.388	3.5	
2-Chloroethyl vinyl ether	0.293	0.309	0.344	0.328	0.315		0.318	6.1	
Dibromochloromethane	0.415	0.419	0.457	0.458	0.430		0.436	4.7	
Tetrachloroethene	0.475	0.432	0.471	0.468	0.441		0.458	4.3	
Chlorobenzene	1.261	1.216	1.268	1.291	1.220		1.251	2.6	
Ethyl Benzene	2.219	2.187	2.335	2.359	2.202		2.260	3.5	
m/p-Xylenes	0.849	0.824	0.889	0.894	0.832		0.858	3.8	
o-Xylene	0.825	0.804	0.878	0.876	0.816		0.840	4.1	

* 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	RRF005	RRF020	RRF150	RRF100	RRF050	RRF	% RSD
Bromoform	0.253	0.274	0.308	0.302	0.277	0.283	7.9
1,1,2,2-Tetrachloroethane	0.562	0.566	0.541	0.553	0.539	0.552	2.2
1,3-Dichlorobenzene	0.837	0.834	1.011	0.961	0.912	0.911	8.5
1,4-Dichlorobenzene	0.841	0.825	0.991	0.951	0.891	0.900	7.9
1,2-Dichlorobenzene	0.830	0.800	0.938	0.906	0.860	0.867	6.5
1,2-Dichloroethane-d4	2.976	2.979	2.796	2.764	2.947	2.892	3.6
Toluene-d8	1.667	1.660	1.634	1.636	1.655	1.650	0.9
4-Bromofluorobenzene	0.564	0.577	0.621	0.601	0.585	0.590	3.7

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