

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851
 Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY021953.D		RRF010 = VY021954.D		RRF020 = VY021955.D			
		RRF050 = VY021956.D		RRF100 = VY021957.D		RRF150 = VY021958.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.2	
Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.1	
Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.3	
Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.6	
Tert butyl alcohol	0.027	0.024	0.027	0.026	0.023	0.025	0.025	6.4	
1,1-Dichloroethene	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5	
Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.7	
Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.7	
Methyl tert-butyl Ether	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.6	
Methylene Chloride	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.7	
trans-1,2-Dichloroethene	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.3	
1,1-Dichloroethane	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.9	
2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.5	
Carbon Tetrachloride	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.9	
cis-1,2-Dichloroethene	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.1	
Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.2	
1,1,1-Trichloroethane	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.8	
Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1	
1,2-Dichloroethane	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.3	
Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.3	
1,2-Dichloropropane	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.4	
Bromodichloromethane	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.1	
4-Methyl-2-Pentanone	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.9	
Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4	
t-1,3-Dichloropropene	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.7	
cis-1,3-Dichloropropene	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.3	
1,1,2-Trichloroethane	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.8	
2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.5	
Dibromochloromethane	0.345	0.355	0.354	0.352	0.367	0.357	0.355	2	
Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.6	

* 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	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.5
Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1
m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3
o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3
Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.2
Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.5
1,1,2,2-Tetrachloroethane	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.4
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.8

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