

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1448 SAS No.: Q1448 SDG No.: Q1448
Instrument ID: MSVOA_Y Calibration Date(s): 02/25/2025 02/25/2025
Heated Purge: (Y/N) Y Calibration Time(s): 12:40 16:49
GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY021309.D		RRF010 = VY021310.D		RRF020 = VY021311.D		RRF050 = VY021312.D		RRF150 = VY021314.D		RRF100 = VY021316.D	
COMPOUND		RRF005	RRF010	RRF020	RRF050	RRF150	RRF100	RRF	% RSD				
Chloromethane		0.709	0.628	0.566	0.602	0.597	0.570	0.612	8.6				
Vinyl Chloride		0.648	0.591	0.554	0.627	0.606	0.580	0.601	5.6				
Bromomethane		0.505	0.414	0.361	0.387	0.371	0.359	0.399	13.9				
Chloroethane		0.414	0.365	0.347	0.390	0.365	0.355	0.373	6.7				
Tert butyl alcohol		0.058	0.047	0.042	0.040	0.039	0.034	0.044	18.9				
1,1-Dichloroethene		0.545	0.489	0.462	0.515	0.518	0.490	0.503	5.7				
Acetone		0.122	0.102	0.094	0.128	0.104	0.103	0.109	11.9				
Carbon Disulfide		1.800	1.652	1.540	1.734	1.678	1.620	1.671	5.4				
Methyl tert-butyl Ether		1.312	1.268	1.267	1.410	1.410	1.307	1.329	4.9				
Methylene Chloride		0.733	0.598	0.539	0.585	0.547	0.529	0.588	12.8				
trans-1,2-Dichloroethene		0.589	0.536	0.507	0.573	0.570	0.547	0.554	5.4				
1,1-Dichloroethane		1.101	1.032	0.961	1.083	1.058	1.007	1.040	4.9				
2-Butanone		0.162	0.155	0.156	0.183	0.171	0.159	0.164	6.5				
Carbon Tetrachloride		0.567	0.562	0.509	0.581	0.567	0.535	0.554	4.8				
cis-1,2-Dichloroethene		0.649	0.610	0.588	0.665	0.656	0.626	0.632	4.7				
Chloroform		1.128	1.046	0.977	1.095	1.062	1.017	1.054	5.1				
1,1,1-Trichloroethane		1.020	0.956	0.889	0.986	0.979	0.927	0.960	4.8				
Benzene		1.515	1.445	1.359	1.533	1.472	1.409	1.456	4.5				
1,2-Dichloroethane		0.422	0.417	0.393	0.434	0.419	0.394	0.413	3.9				
Trichloroethene		0.375	0.360	0.341	0.382	0.375	0.354	0.364	4.3				
1,2-Dichloropropane		0.360	0.350	0.329	0.371	0.357	0.336	0.350	4.5				
Bromodichloromethane		0.519	0.503	0.477	0.541	0.528	0.495	0.511	4.5				
4-Methyl-2-Pentanone		0.220	0.227	0.239	0.267	0.264	0.238	0.243	7.9				
Toluene		0.887	0.888	0.852	0.965	0.936	0.897	0.904	4.4				
t-1,3-Dichloropropene		0.438	0.436	0.434	0.515	0.509	0.474	0.468	8				
cis-1,3-Dichloropropene		0.541	0.526	0.528	0.591	0.581	0.546	0.552	5				
1,1,2-Trichloroethane		0.250	0.251	0.238	0.267	0.254	0.237	0.249	4.4				
2-Hexanone		0.133	0.146	0.155	0.183	0.178	0.162	0.159	11.9				
Dibromochloromethane		0.340	0.325	0.322	0.368	0.352	0.332	0.340	5.2				
Tetrachloroethene		0.405	0.380	0.351	0.389	0.386	0.355	0.378	5.5				

* 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	RRF150	RRF100	RRF	% RSD
Chlorobenzene	1.171	1.111	1.039	1.176	1.159	1.078	1.122	5
Ethyl Benzene	1.938	1.941	1.826	2.130	2.115	1.979	1.988	5.8
m/p-Xylenes	0.735	0.738	0.696	0.802	0.783	0.733	0.748	5.1
o-Xylene	0.689	0.675	0.648	0.758	0.739	0.694	0.701	5.9
Styrene	1.081	1.128	1.091	1.277	1.257	1.159	1.166	7.2
Bromoform	0.221	0.221	0.211	0.246	0.236	0.214	0.225	5.9
1,1,2,2-Tetrachloroethane	0.700	0.649	0.621	0.697	0.689	0.624	0.663	5.5
1,2-Dichloroethane-d4	0.681	0.510	0.548	0.551	0.566	0.547	0.567	10.3
Dibromofluoromethane	0.370	0.299	0.317	0.325	0.334	0.322	0.328	7.2
Toluene-d8	1.420	1.158	1.230	1.251	1.290	1.253	1.267	6.8
4-Bromofluorobenzene	0.490	0.387	0.404	0.423	0.435	0.420	0.426	8.2

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