284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2401 SAS No.: Q2401 SDG No.: Q2401

Instrument ID: MSVOA_N Calibration Date(s): 06/26/2025 06/26/2025

Heated Purge: (Y/N) N Calibration Time(s): 16:34 18:39

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

LAB FILE ID: RRF001 = VN087198.D RRF005 = VN087199.D RRF020 = VN087200.D
RRF050 = VN087201.D RRF100 = VN087202.D RRF150 = VN087203.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.536	0.741	0.619	0.594	0.589	0.592	0.612	11.2
Vinyl Chloride	0.583	0.746	0.677	0.641	0.646	0.673	0.661	8.1
Bromomethane		0.405	0.369	0.314	0.316	0.369	0.355	11
Chloroethane	0.316	0.428	0.356	0.341	0.312	0.319	0.345	12.8
Tert butyl alcohol		0.186	0.167	0.161	0.132	0.146	0.159	13.1
1,1-Dichloroethene	0.419	0.766	0.647	0.601	0.538	0.548	0.587	19.9
Acetone	0.229	0.468	0.396	0.357	0.328	0.319	0.350	22.9
Carbon Disulfide	1.197	2.327	2.019	1.794	1.593	1.587	1.753	22.3
Methyl tert-butyl Ether	1.321	2.476	2.247	2.087	1.949	2.043	2.020	19.3
Methylene Chloride	0.520	0.904	0.754	0.671	0.554	0.632	0.673	20.9
trans-1,2-Dichloroethene	0.486	0.831	0.720	0.648	0.594	0.624	0.651	18
1,1-Dichloroethane	1.019	1.469	1.337	1.229	1.196	1.151	1.234	12.6
2-Butanone	0.489	0.469	0.629	0.585	0.566	0.535	0.546	11
Carbon Tetrachloride	0.404	0.405	0.560	0.482	0.456	0.459	0.461	12.5
cis-1,2-Dichloroethene	0.692	0.714	0.845	0.776	0.762	0.748	0.756	7
Chloroform	1.107	1.146	1.318	1.183	1.135	1.093	1.164	7.1
1,1,1-Trichloroethane	1.005	1.005	1.071	1.001	0.977	0.940	1.000	4.3
Benzene	1.393	1.205	1.710	1.512	1.485	1.474	1.463	11.3
1,2-Dichloroethane	0.468	0.445	0.503	0.502	0.471	0.466	0.476	4.8
Trichloroethene	0.311	0.359	0.425	0.348	0.334	0.325	0.350	11.5
1,2-Dichloropropane	0.319	0.390	0.479	0.373	0.354	0.348	0.377	14.7
Bromodichloromethane	0.458	0.537	0.657	0.493	0.500	0.434	0.513	15.4
4-Methyl-2-Pentanone	0.359	0.536	0.733	0.612	0.572	0.550	0.561	21.7
Toluene	0.758	0.899	1.179	0.964	0.922	0.891	0.935	14.7
t-1,3-Dichloropropene	0.436	0.557	0.714	0.593	0.570	0.564	0.572	15.5
cis-1,3-Dichloropropene	0.494	0.597	0.772	0.618	0.606	0.567	0.609	15.1
1,1,2-Trichloroethane	0.297	0.349	0.450	0.360	0.341	0.326	0.354	14.7
2-Hexanone	0.316	0.384	0.433	0.404	0.395	0.392	0.387	10
Dibromochloromethane	0.316	0.377	0.477	0.391	0.377	0.370	0.385	13.5
Tetrachloroethene	0.284	0.316	0.316	0.309	0.315	0.296	0.306	4.3

* 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	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chlorobenzene	1.057	1.148	1.156	1.111	1.098	1.085	1.109	3.4
Ethyl Benzene	1.577	1.825	1.933	1.939	1.916	1.908	1.850	7.5
m/p-Xylenes	0.600	0.667	0.752	0.744	0.749	0.734	0.708	8.7
o-Xylene	0.549	0.489	0.693	0.712	0.713	0.704	0.643	15.3
Styrene	0.899	0.884	1.200	1.225	1.219	1.199	1.104	15
Bromoform	0.225	0.256	0.273	0.279	0.274	0.271	0.263	7.6
1,1,2,2-Tetrachloroethane	1.163	1.210	1.308	1.212	1.237	1.185	1.219	4.1
1,2-Dichloroethane-d4		0.720	0.715	0.717	0.748	0.698	0.720	2.5
Dibromofluoromethane		0.276	0.380	0.318	0.324	0.319	0.323	11.4
Toluene-d8		1.214	1.587	1.303	1.322	1.258	1.337	10.9
4-Bromofluorobenzene		0.411	0.545	0.456	0.457	0.450	0.464	10.6

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