284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG No.: Q1502

Instrument ID: MSVOA_X Calibration Date/Time: 03/19/2025 10:41

Lab File ID: VX045340.D Init. Calib. Date(s): 02/21/2025 02/21/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:58 11:29

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	2.529	2.632		4.07	
Chloromethane	3.029	2.718		-10.27	
Vinyl Chloride	2.923	2.544	0.1	-12.97	
Ethyl Acetate	0.598	0.716		19.73	
Bromomethane	1.017	1.128	0.1	10.91	
Chloroethane	1.583	1.341		-15.29	
Trichlorofluoromethane	3.928	3.690		-6.06	
1,1,2-Trichlorotrifluoroethane	2.333	2.471		5.91	
1,1-Dichloroethene	2.279	2.299	0.1	0.88	
Acrolein	0.530	0.631		19.06	
Acrylonitrile	1.293	1.467		13.46	
Acetone	0.355	0.395		11.27	
Carbon Disulfide	6.464	5.226		-19.15	
Methyl tert-Butyl Ether	7.438	7.562		1.67	
Methylene Chloride	2.563	2.580		0.66	
trans-1,2-Dichloroethene	2.306	2.205		-4.38	
Vinyl Acetate	1.237	1.256		1.54	
1,1-Dichloroethane	4.555	4.617	0.2	1.36	
2-Butanone	0.319	0.396		24.14	
Carbon Tetrachloride	0.564	0.602	0.1	6.74	
2,2-Dichloropropane	0.624	0.597		-4.33	
cis-1,2-Dichloroethene	2.763	2.788		0.9	
Chloroform	4.400	4.726	0.2	7.41	
1,1,1-Trichloroethane	0.669	0.727	0.1	8.67	
1,1-Dichloropropene	0.552	0.569		3.08	
Benzene	1.731	1.833	0.5	5.89	
1,2-Dichloroethane	0.592	0.694	0.1	17.23	
Trichloroethene	0.405	0.424	0.3	4.69	
1,2-Dichloropropane	0.430	0.448		4.19	
Dibromomethane	0.309	0.346		11.97	
Bromodichloromethane	0.614	0.683	0.2	11.24	
4-Methyl-2-Pentanone	0.682	0.832		21.99	
Toluene	1.987	2.063	0.4	3.83	
t-1,3-Dichloropropene	0.591	0.563	0.1	-4.74	
cis-1,3-Dichloropropene	0.670	0.674	0.2	0.6	
1,1,2-Trichloroethane	0.403	0.444	0.1	10.17	
1,3-Dichloropropane	0.706	0.796		12.75	
2-Chloroethyl vinyl ether	0.325	0.336		3.38	

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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GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
2-Hexanone	0.493	0.608		23.33	
Dibromochloromethane	0.445	0.483	0.1	8.54	
1,2-Dibromoethane	0.409	0.450		10.02	
Tetrachloroethene	0.369	0.402	0.2	8.94	
Chlorobenzene	1.231	1.280	0.5	3.98	
1,1,1,2-Tetrachloroethane	0.406	0.428		5.42	
Ethyl Benzene	2.176	2.264	0.1	4.04	
m/p-Xylenes	0.811	0.854	0.3	5.3	
o-Xylene	0.795	0.811	0.3	2.01	
Styrene	1.328	1.394	0.3	4.97	
Bromoform	0.279	0.296	0.1	6.09	
Isopropylbenzene	2.053	2.224		8.33	
1,1,2,2-Tetrachloroethane	0.675	0.777	0.3	15.11	
1,2,3-Trichloropropane	0.555	0.644		16.04	
Bromobenzene	0.473	0.488		3.17	
n-propylbenzene	2.443	2.564		4.95	
2-Chlorotoluene	1.477	1.596		8.06	
1,3,5-Trimethylbenzene	1.693	1.806		6.68	
4-Chlorotoluene	1.646	1.755		6.62	
1,2,4-Trimethylbenzene	1.696	1.802		6.25	
sec-Butylbenzene	2.141	2.320		8.36	
p-Isopropyltoluene	1.735	1.845		6.34	
1,3-Dichlorobenzene	0.879	0.891	0.2	1.37	
1,4-Dichlorobenzene	0.867	0.904	0.2	4.27	
n-Butylbenzene	1.584	1.603		1.2	
1,2-Dichlorobenzene	0.863	0.898	0.2	4.06	
1,2-Dibromo-3-Chloropropane	0.131	0.150		14.5	
1,2,4-Trichlorobenzene	0.523	0.502	0.2	-4.01	
Hexachlorobutadiene	0.213	0.218		2.35	
Naphthalene	1.843	1.848		0.27	
1,2,3-Trichlorobenzene	0.538	0.529		-1.67	
1,2-Dichloroethane-d4	2.914	3.187	0.01	9.37	
Toluene-d8	1.660	1.665	0.01	0.3	
4-Bromofluorobenzene	0.561	0.584	0.2	4.1	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.