

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG No.: P3845

Instrument ID: MSVOA_N Calibration Date/Time: 09/09/2024 08:57

Lab File ID: VN083706.D Init. Calib. Date(s): 09/06/2024 09/06/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:58 13:33

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	2.009	1.911		-4.88	
Chloromethane	2.087	2.058		-1.39	
Vinyl Chloride	2.146	2.071	0.1	-3.49	
Ethyl Acetate	0.451	0.471		4.43	
Isopropyl Acetate	0.781	0.793		1.54	
Bromomethane	1.199	1.111	0.1	-7.34	
Chloroethane	1.437	1.570		9.26	
Trichlorofluoromethane	3.598	3.441		-4.36	
1,1,2-Trichlorotrifluoroethane	1.932	1.836		-4.97	
tert-Butyl Alcohol	0.334	0.367		9.88	
Diethyl Ether	1.222	1.216		-0.49	
1,1-Dichloroethene	1.865	1.750	0.1	-6.17	
Acrolein	0.328	0.360		9.76	
Acrylonitrile	0.910	0.944		3.74	
Acetone	0.302	0.356		17.88	
Carbon Disulfide	5.270	4.821		-8.5	
Methyl tert-Butyl Ether	6.626	6.475		-2.28	
Methyl Acetate	2.249	2.172		-3.42	
Methylene Chloride	2.040	1.990		-2.45	
trans-1,2-Dichloroethene	1.932	1.793		-7.2	
Vinyl Acetate	0.922	0.830		-9.98	
1,1-Dichloroethane	3.770	3.622	0.2	-3.93	
Cyclohexane	0.564	0.526		-6.74	
2-Butanone	0.224	0.244		8.93	
Carbon Tetrachloride	0.550	0.519	0.1	-5.64	
2,2-Dichloropropane	0.607	0.591		-2.64	
cis-1,2-Dichloroethene	2.352	2.233		-5.06	
Chloroform	3.995	3.797	0.2	-4.96	
1,1,1-Trichloroethane	0.635	0.605	0.1	-4.72	
Methylcyclohexane	0.570	0.522		-8.42	
1,1-Dichloropropene	0.476	0.443		-6.93	
Benzene	1.428	1.347	0.5	-5.67	
1,2-Dichloroethane	0.537	0.515	0.1	-4.1	
Trichloroethene	0.335	0.313	0.3	-6.57	
1,2-Dichloropropane	0.344	0.332		-3.49	
Dibromomethane	0.251	0.236		-5.98	
Bromodichloromethane	0.534	0.510	0.2	-4.49	
4-Methyl-2-Pentanone	0.476	0.508		6.72	

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	RRF	RRF020	MIN RRF	%D	MAX%D
Toluene	1.724	1.634	0.4	-5.22	
t-1,3-Dichloropropene	0.562	0.511	0.1	-9.07	
cis-1,3-Dichloropropene	0.584	0.547	0.2	-6.34	
1,1,2-Trichloroethane	0.320	0.317	0.1	-0.94	
1,3-Dichloropropane	0.577	0.549		-4.85	
2-Chloroethyl vinyl ether	0.218	0.233		6.88	
2-Hexanone	0.359	0.387		7.8	
Dibromochloromethane	0.383	0.368	0.1	-3.92	
1,2-Dibromoethane	0.331	0.314		-5.14	
Tetrachloroethene	0.317	0.306	0.2	-3.47	
Chlorobenzene	1.068	1.012	0.5	-5.24	
1,1,1,2-Tetrachloroethane	0.372	0.367		-1.34	
Hexachloroethane	0.293	0.275		-6.14	
Ethyl Benzene	1.961	1.804	0.1	-8.01	
m/p-Xylenes	0.721	0.677	0.3	-6.1	
o-Xylene	0.698	0.660	0.3	-5.44	
Styrene	1.180	1.060	0.3	-10.17	
Bromoform	0.244	0.230	0.1	-5.74	
Isopropylbenzene	1.843	1.715		-6.95	
1,1,2,2-Tetrachloroethane	0.503	0.504	0.3	0.2	
1,2,3-Trichloropropane	0.441	0.443		0.45	
Bromobenzene	0.423	0.390		-7.8	
n-propylbenzene	2.157	1.932		-10.43	
2-Chlorotoluene	1.346	1.246		-7.43	
1,3,5-Trimethylbenzene	1.539	1.452		-5.65	
4-Chlorotoluene	1.365	1.195		-12.45	
tert-butylbenzene	1.346	1.288		-4.31	
1,2,4-Trimethylbenzene	1.555	1.443		-7.2	
sec-Butylbenzene	1.839	1.648		-10.39	
p-Isopropyltoluene	1.547	1.398		-9.63	
1,3-Dichlorobenzene	0.815	0.711	0.2	-12.76	
1,4-Dichlorobenzene	0.814	0.698	0.2	-14.25	
n-Butylbenzene	1.365	1.180		-13.55	
1,2-Dichlorobenzene	0.791	0.716	0.2	-9.48	
1,2-Dibromo-3-Chloropropane	0.111	0.116		4.51	
1,2,4-Trichlorobenzene	0.433	0.365	0.2	-15.7	
Hexachlorobutadiene	0.179	0.167		-6.7	
Naphthalene	1.416	1.214		-14.27	

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1,2,3-Trichlorobenzene	0.433	0.365		-15.7	
1,2-Dichloroethane-d4	2.742	2.778	0.01	1.31	
Toluene-d8	1.389	1.425	0.01	2.59	
4-Bromofluorobenzene	0.517	0.526	0.2	1.74	
n-amyl Acetate	0.692	0.678		-2.02	
Allyl chloride	3.270	3.175		-2.9	
t-1,4-Dichloro-2-butene	0.187	0.184		-1.6	
Methacrylonitrile	0.252	0.237		-5.95	
1,4-Dioxane	6.091	6.602		8.39	
Methyl methacrylate	0.378	0.379		0.26	

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