

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG No.: P5283

Instrument ID: MSVOA_N Calibration Date/Time: 12/16/2024 09:42

Lab File ID: VN085207.D Init. Calib. Date(s): 12/06/2024 12/06/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:02 11:37

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	2.400	2.526		5.25	
Chloromethane	2.124	2.227		4.85	
Vinyl Chloride	2.173	2.251	0.1	3.59	
Bromomethane	1.380	1.402	0.1	1.59	
Chloroethane	1.335	1.437		7.64	
Trichlorofluoromethane	3.557	3.724		4.7	
1,1,2-Trichlorotrifluoroethane	1.989	2.005		0.8	
1,1-Dichloroethene	1.827	1.847	0.1	1.1	
Acrolein	0.313	0.235		-24.92	
Acrylonitrile	0.895	0.853		-4.69	
Acetone	0.243	0.258		6.17	
Carbon Disulfide	5.461	5.505		0.81	
Methyl tert-Butyl Ether	5.708	5.845		2.4	
Methyl Acetate	2.155	2.103		-2.41	
Methylene Chloride	2.073	2.023		-2.41	
trans-1,2-Dichloroethene	1.899	1.907		0.42	
1,1-Dichloroethane	3.541	3.578	0.2	1.04	
Cyclohexane	0.552	0.526		-4.71	
2-Butanone	0.222	0.210		-5.41	
Carbon Tetrachloride	0.591	0.558	0.1	-5.58	
2,2-Dichloropropane	0.621	0.615		-0.97	
cis-1,2-Dichloroethene	2.183	2.239		2.57	
Chloroform	3.710	3.808	0.2	2.64	
1,1,1-Trichloroethane	0.655	0.631	0.1	-3.66	
Methylcyclohexane	0.526	0.500		-4.94	
1,1-Dichloropropene	0.484	0.466		-3.72	
Benzene	1.521	1.463	0.5	-3.81	
1,2-Dichloroethane	0.518	0.501	0.1	-3.28	
Trichloroethene	0.362	0.361	0.3	-0.28	
1,2-Dichloropropane	0.368	0.353		-4.08	
Dibromomethane	0.264	0.255		-3.41	
Bromodichloromethane	0.565	0.546	0.2	-3.36	
4-Methyl-2-Pentanone	0.490	0.448		-8.57	
Toluene	1.750	1.703	0.4	-2.69	
t-1,3-Dichloropropene	0.554	0.532	0.1	-3.97	
cis-1,3-Dichloropropene	0.604	0.590	0.2	-2.32	
1,1,2-Trichloroethane	0.356	0.344	0.1	-3.37	
1,3-Dichloropropane	0.596	0.572		-4.03	

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
2-Hexanone	0.371	0.350		-5.66	
Dibromochloromethane	0.434	0.412	0.1	-5.07	
1,2-Dibromoethane	0.359	0.343		-4.46	
Tetrachloroethene	0.363	0.361	0.2	-0.55	
Chlorobenzene	1.080	1.049	0.5	-2.87	
1,1,1,2-Tetrachloroethane	0.403	0.391		-2.98	
Hexachloroethane	0.285	0.275		-3.51	
Ethyl Benzene	1.857	1.831	0.1	-1.4	
m/p-Xylenes	0.714	0.703	0.3	-1.54	
o-Xylene	0.671	0.678	0.3	1.04	
Styrene	1.138	1.138	0.3	0	
Bromoform	0.291	0.271	0.1	-6.87	
Isopropylbenzene	1.730	1.731		0.06	
1,1,2,2-Tetrachloroethane	0.526	0.495	0.3	-5.89	
1,2,3-Trichloropropane	0.520	0.399		-23.27	
Bromobenzene	0.433	0.425		-1.85	
n-propylbenzene	2.079	2.023		-2.69	
2-Chlorotoluene	1.286	1.262		-1.87	
1,3,5-Trimethylbenzene	1.482	1.477		-0.34	
4-Chlorotoluene	1.305	1.276		-2.22	
tert-butylbenzene	1.217	1.210		-0.57	
1,2,4-Trimethylbenzene	1.464	1.478		0.96	
sec-Butylbenzene	1.729	1.683		-2.66	
p-Isopropyltoluene	1.434	1.422		-0.84	
1,3-Dichlorobenzene	0.795	0.761	0.2	-4.28	
1,4-Dichlorobenzene	0.775	0.751	0.2	-3.1	
n-Butylbenzene	1.203	1.164		-3.24	
1,2-Dichlorobenzene	0.750	0.725	0.2	-3.33	
1,2-Dibromo-3-Chloropropane	0.105	0.090		-14.29	
1,2,4-Trichlorobenzene	0.367	0.353	0.2	-3.82	
Hexachlorobutadiene	0.191	0.191		0	
Naphthalene	1.142	1.062		-7.01	
1,2,3-Trichlorobenzene	0.367	0.353		-3.82	
1,2-Dichloroethane-d4	2.380	2.398	0.01	0.76	
Toluene-d8	1.407	1.384	0.01	-1.63	
4-Bromofluorobenzene	0.496	0.487	0.2	-1.82	
Methyl Iodide	2.534	2.157		-14.88	
Methyl methacrylate	0.352	0.327		-7.1	

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