

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4442 SAS No.: P4442 SDG No.: P4442

Instrument ID: MSVOA_X Calibration Date/Time: 10/23/2024 09:45

Lab File ID: VX043482.D Init. Calib. Date(s): 10/23/2024 10/23/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:59 11:41

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.565	0.537		-4.96	
Chloromethane	0.743	0.703		-5.38	
Vinyl Chloride	0.659	0.638		-3.19	
Ethyl Acetate	0.450	0.425		-5.56	
Bromomethane	0.289	0.269		-6.92	
Chloroethane	0.251	0.227		-9.56	
Trichlorofluoromethane	0.919	0.868		-5.55	
1,1,2-Trichlorotrifluoroethane	0.547	0.521		-4.75	
Tert butyl alcohol	0.122	0.120		-1.64	
1,1-Dichloroethene	0.545	0.541		-0.73	
Acrolein	0.118	0.116		-1.7	
Acrylonitrile	0.296	0.283		-4.39	
Acetone	0.319	0.294		-7.84	
Carbon Disulfide	1.166	1.121		-3.86	
Methyl tert-butyl Ether	2.010	1.995		-0.75	
Methyl Acetate	0.885	0.783		-11.52	
Methylene Chloride	0.712	0.679		-4.64	
trans-1,2-Dichloroethene	0.633	0.606		-4.26	
Vinyl Acetate	1.524	1.556		2.1	
1,1-Dichloroethane	1.248	1.225		-1.84	
Cyclohexane	0.879	0.849		-3.41	
2-Butanone	0.442	0.419		-5.2	
Carbon Tetrachloride	0.445	0.428		-3.82	
2,2-Dichloropropane	1.042	1.020		-2.11	
cis-1,2-Dichloroethene	0.797	0.783		-1.76	
Bromochloromethane	0.539	0.560		3.9	
Chloroform	1.370	1.326		-3.21	
1,1,1-Trichloroethane	1.092	1.068		-2.2	
Methylcyclohexane	0.486	0.462		-4.94	
1,1-Dichloropropene	0.407	0.392		-3.69	
Benzene	1.403	1.362		-2.92	
1,2-Dichloroethane	0.501	0.497		-0.8	
Trichloroethene	0.359	0.328		-8.64	
1,2-Dichloropropane	0.323	0.331		2.48	
Dibromomethane	0.231	0.226		-2.16	
Bromodichloromethane	0.465	0.462		-0.64	
4-Methyl-2-Pentanone	0.429	0.427		-0.47	
Toluene	0.843	0.828		-1.78	

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	RRF050	MIN RRF	%D	MAX%D
t-1,3-Dichloropropene	0.437	0.446		2.06	
cis-1,3-Dichloropropene	0.491	0.502		2.24	
1,1,2-Trichloroethane	0.302	0.297		-1.66	
1,3-Dichloropropane	0.525	0.520		-0.95	
2-Chloroethyl Vinyl ether	0.198	0.208		5.05	
2-Hexanone	0.319	0.315		-1.25	
Dibromochloromethane	0.296	0.311		5.07	
1,2-Dibromoethane	0.305	0.300		-1.64	
Tetrachloroethene	0.347	0.315		-9.22	
Chlorobenzene	1.104	1.029		-6.79	
1,1,1,2-Tetrachloroethane	0.349	0.346		-0.86	
Hexachloroethane	0.478	0.453		-5.23	
Ethyl Benzene	1.779	1.731		-2.7	
m/p-Xylenes	0.680	0.658		-3.23	
o-Xylene	0.687	0.668		-2.77	
Styrene	1.127	1.133		0.53	
Bromoform	0.199	0.193		-3.02	
Isopropylbenzene	3.597	3.364		-6.48	
1,1,2,2-Tetrachloroethane	1.111	0.994		-10.53	
1,2,3-Trichloropropane	0.979	0.899		-8.17	
Bromobenzene	0.922	0.858		-6.94	
n-propylbenzene	4.082	3.847		-5.76	
2-Chlorotoluene	2.803	2.573		-8.2	
1,3,5-Trimethylbenzene	3.153	2.953		-6.34	
4-Chlorotoluene	3.247	2.993		-7.82	
tert-Butylbenzene	2.987	2.800		-6.26	
1,2,4-Trimethylbenzene	3.230	3.049		-5.6	
sec-Butylbenzene	3.569	3.373		-5.49	
p-Isopropyltoluene	3.007	2.928		-2.63	
1,3-Dichlorobenzene	1.738	1.622		-6.67	
1,4-Dichlorobenzene	1.827	1.605		-12.15	
n-Butylbenzene	2.498	2.371		-5.08	
1,2-Dichlorobenzene	1.737	1.579		-9.1	
1,2-Dibromo-3-Chloropropane	0.200	0.198		-1	
1,2,4-Trichlorobenzene	0.984	0.894		-9.15	
Hexachlorobutadiene	0.373	0.349		-6.43	
Naphthalene	2.977	2.662		-10.58	
1,2,3-Trichlorobenzene	0.975	0.892		-8.51	

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COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.858	0.886		3.26	
Dibromofluoromethane	0.344	0.361		4.94	
Toluene-d8	1.207	1.265		4.8	
4-Bromofluorobenzene	0.447	0.469		4.92	

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