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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4633 SAS No.: P4633 SDG No.: P4633

Instrument ID: MSVOA_L Calibration Date/Time: 11/21/2024 08:50

Lab File ID: VL041711.D Init. Calib. Date(s): 11/07/2024 11/07/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:15 14:12

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorodifluoromethane	0.467	0.438		-6.21	30
Dichlorodifluoromethane	1.807	1.212		-32.93	30
Ethanol	0.035	0.031		-11.43	30
Chloromethane	0.690	0.658		-4.64	30
Vinyl Chloride	0.621	0.629		1.29	30
Ethyl Acetate	2.548	2.515		-1.29	30
Bromomethane	0.329	0.323		-1.82	30
Chloroethane	0.227	0.229		0.88	30
Tetrahydrofuran	0.284	0.314		10.56	30
Trichlorofluoromethane	1.574	1.487		-5.53	30
1,1,2-Trichlorotrifluoroethane	1.144	1.106		-3.32	30
Dichlorotetrafluoroethane	1.613	1.494		-7.38	30
Bromoethene	0.460	0.448		-2.61	30
Propene	0.568	0.535		-5.81	30
tert-Butyl alcohol	1.080	1.080		0	30
Heptane	1.272	1.333		4.8	30
Isopropyl Alcohol	0.588	0.581		-1.19	30
1,1-Dichloroethene	0.502	0.487		-2.99	30
Acetone	1.231	1.137		-7.64	30
Carbon Disulfide	1.100	1.195		8.64	30
Methyl tert-Butyl Ether	0.630	0.609		-3.33	30
Methylene Chloride	0.453	0.410		-9.49	30
trans-1,2-Dichloroethene	0.499	0.500		0.2	30
Vinyl Acetate	0.543	0.536		-1.29	30
1,1-Dichloroethane	1.114	1.068		-4.13	30
Cyclohexane	0.833	0.844		1.32	30
2-Butanone	0.498	0.450		-9.64	30
Carbon Tetrachloride	0.528	0.568		7.58	30
cis-1,2-Dichloroethene	0.942	0.961		2.02	30
Chloroform	1.616	1.533		-5.14	30
1,1,1-Trichloroethane	1.474	1.501		1.83	30
2,2,4-Trimethylpentane	1.255	1.287		2.55	30
Benzene	0.741	0.766		3.37	30
1,2-Dichloroethane	0.418	0.423		1.2	30
Trichloroethene	0.285	0.311		9.12	30
1,2-Dichloropropane	0.293	0.294		0.34	30
Bromodichloromethane	0.581	0.606		4.3	30
4-Methyl-2-Pentanone	0.764	0.825		7.98	30

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: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Toluene	0.779	0.882		13.22	30
t-1,3-Dichloropropene	0.238	0.293		23.11	30
cis-1,3-Dichloropropene	0.341	0.398		16.72	30
1,1,2-Trichloroethane	0.317	0.314		-0.95	30
2-Hexanone	0.557	0.638		14.54	30
Dibromochloromethane	0.482	0.517		7.26	30
1,2-Dibromoethane	0.370	0.425		14.86	30
Tetrachloroethene	0.252	0.281		11.51	30
Chlorobenzene	0.740	0.735		-0.68	30
Ethyl Benzene	1.096	1.271		15.97	30
m/p-Xylene	0.982	1.078		9.78	30
o-Xylene	0.936	1.037		10.79	30
Styrene	0.386	0.500		29.53	30
Bromoform	0.412	0.457		10.92	30
Isopropylbenzene	1.446	1.530		5.81	30
1,1,2,2-Tetrachloroethane	0.689	0.719		4.35	30
2-Chlorotoluene	1.045	1.163		11.29	30
1,3,5-Trimethylbenzene	0.955	1.062		11.2	30
1,2,4-Trimethylbenzene	1.109	1.174		5.86	30
1,3-Dichlorobenzene	0.687	0.723		5.24	30
1,4-Dichlorobenzene	0.663	0.699		5.43	30
1,2-Dichlorobenzene	0.681	0.704		3.38	30
1,2,4-Trichlorobenzene	0.431	0.501		16.24	30
Hexachloro-1,3-Butadiene	0.538	0.486		-9.66	30
1,3-Butadiene	0.621	0.630		1.45	30
Naphthalene	0.685	0.985		43.8	30
4-Ethyltoluene	1.088	1.247		14.61	30
1-Bromo-4-Fluorobenzene	0.737	0.753		2.17	30
Hexane	0.979	0.996		1.74	30
Allyl Chloride	0.761	0.771		1.31	30
Benzyl Chloride	0.100	0.120		20	30
1,4-Dioxane	105.056	114.885		9.36	30
Methyl Methacrylate	0.260	0.299		15	30

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