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: 11/20/2024 08:09

Lab File ID: VL041697.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	0.449		-3.85	30
Dichlorodifluoromethane	1.807	1.905		5.42	30
Ethanol	0.035	0.031		-11.43	30
Chloromethane	0.690	0.681		-1.3	30
Vinyl Chloride	0.621	0.660		6.28	30
Ethyl Acetate	2.548	2.629		3.18	30
Bromomethane	0.329	0.342		3.95	30
Chloroethane	0.227	0.234		3.08	30
Tetrahydrofuran	0.284	0.314		10.56	30
Trichlorofluoromethane	1.574	1.584		0.63	30
1,1,2-Trichlorotrifluoroethane	1.144	1.149		0.44	30
Dichlorotetrafluoroethane	1.613	1.577		-2.23	30
Bromoethene	0.460	0.474		3.04	30
Propene	0.568	0.563		-0.88	30
tert-Butyl alcohol	1.080	1.099		1.76	30
Heptane	1.272	1.394		9.59	30
Isopropyl Alcohol	0.588	0.602		2.38	30
1,1-Dichloroethene	0.502	0.522		3.98	30
Acetone	1.231	1.217		-1.14	30
Carbon Disulfide	1.100	1.288		17.09	30
Methyl tert-Butyl Ether	0.630	0.620		-1.59	30
Methylene Chloride	0.453	0.432		-4.64	30
trans-1,2-Dichloroethene	0.499	0.530		6.21	30
Vinyl Acetate	0.543	0.566		4.24	30
1,1-Dichloroethane	1.114	1.148		3.05	30
Cyclohexane	0.833	0.887		6.48	30
2-Butanone	0.498	0.485		-2.61	30
Carbon Tetrachloride	0.528	0.592		12.12	30
cis-1,2-Dichloroethene	0.942	0.999		6.05	30
Chloroform	1.616	1.636		1.24	30
1,1,1-Trichloroethane	1.474	1.573		6.72	30
2,2,4-Trimethylpentane	1.255	1.323		5.42	30
Benzene	0.741	0.784		5.8	30
1,2-Dichloroethane	0.418	0.435		4.07	30
Trichloroethene	0.285	0.318		11.58	30
1,2-Dichloropropane	0.293	0.303		3.41	30
Bromodichloromethane	0.581	0.621		6.89	30
4-Methyl-2-Pentanone	0.764	0.837		9.56	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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COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Toluene	0.779	0.897		15.15	30
t-1,3-Dichloropropene	0.238	0.301		26.47	30
cis-1,3-Dichloropropene	0.341	0.407		19.35	30
1,1,2-Trichloroethane	0.317	0.324		2.21	30
2-Hexanone	0.557	0.655		17.59	30
Dibromochloromethane	0.482	0.536		11.2	30
1,2-Dibromoethane	0.370	0.435		17.57	30
Tetrachloroethene	0.252	0.286		13.49	30
Chlorobenzene	0.740	0.714		-3.51	30
Ethyl Benzene	1.096	1.221		11.4	30
m/p-Xylene	0.982	1.041		6.01	30
o-Xylene	0.936	1.009		7.8	30
Styrene	0.386	0.484		25.39	30
Bromoform	0.412	0.475		15.29	30
Isopropylbenzene	1.446	1.487		2.84	30
1,1,2,2-Tetrachloroethane	0.689	0.703		2.03	30
2-Chlorotoluene	1.045	1.125		7.66	30
1,3,5-Trimethylbenzene	0.955	1.026		7.43	30
1,2,4-Trimethylbenzene	1.109	1.143		3.07	30
1,3-Dichlorobenzene	0.687	0.705		2.62	30
1,4-Dichlorobenzene	0.663	0.694		4.68	30
1,2-Dichlorobenzene	0.681	0.683		0.29	30
1,2,4-Trichlorobenzene	0.431	0.458		6.26	30
Hexachloro-1,3-Butadiene	0.538	0.453		-15.8	30
1,3-Butadiene	0.621	0.667		7.41	30
Naphthalene	0.685	0.892		30.22	30
4-Ethyltoluene	1.088	1.197		10.02	30
1-Bromo-4-Fluorobenzene	0.737	0.734		-0.41	30
Hexane	0.979	1.034		5.62	30
Allyl Chloride	0.761	0.820		7.75	30
Benzyl Chloride	0.100	0.118		18	30
1,4-Dioxane	105.056	115.887		10.31	30
Methyl Methacrylate	0.260	0.300		15.39	30

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