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.: Q1180 SAS No.: Q1180 SDG No.: Q1180

Instrument ID: MSVOA_X Calibration Date/Time: 01/27/2025 10:08

Lab File ID: VX044711.D Init. Calib. Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:31 13:37

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.673	0.648		-3.71	20
Chloromethane	0.728	0.776	0.1	6.59	20
Vinyl Chloride	0.719	0.750		4.31	20
Ethyl Acetate	0.471	0.505		7.22	20
Bromomethane	0.172	0.181		5.23	20
Chloroethane	0.132	0.178		34.85	20
Trichlorofluoromethane	0.795	0.780		-1.89	20
1,1,2-Trichlorotrifluoroethane	0.597	0.612		2.51	20
Tert butyl alcohol	0.168	0.154		-8.33	20
1,1-Dichloroethene	0.585	0.612		4.61	20
Acrolein	0.079	0.172		117.72	20
Acrylonitrile	0.330	0.353		6.97	20
Acetone	0.299	0.288		-3.68	20
Carbon Disulfide	1.598	1.689		5.76	20
Methyl tert-butyl Ether	2.121	2.198		3.63	20
Methyl Acetate	0.921	0.984		6.84	20
Methylene Chloride	0.695	0.734		5.61	20
trans-1,2-Dichloroethene	0.611	0.618		1.15	20
Vinyl Acetate	1.734	1.892		9.11	20
1,1-Dichloroethane	1.175	1.237	0.1	5.28	20
Cyclohexane	0.950	1.026		8	20
2-Butanone	0.444	0.470		5.86	20
Carbon Tetrachloride	0.497	0.453		-8.85	20
2,2-Dichloropropane	1.139	1.056		-7.29	20
cis-1,2-Dichloroethene	0.769	0.785		2.08	20
Bromochloromethane	0.549	0.566		3.1	20
Chloroform	1.186	1.204		1.52	20
1,1,1-Trichloroethane	1.090	0.992		-8.99	20
Methylcyclohexane	0.587	0.601		2.38	20
1,1-Dichloropropene	0.442	0.433		-2.04	20
Benzene	1.370	1.421		3.72	20
1,2-Dichloroethane	0.500	0.487		-2.6	20
Trichloroethene	0.329	0.332		0.91	20
1,2-Dichloropropane	0.345	0.367		6.38	20
Dibromomethane	0.263	0.264		0.38	20
Bromodichloromethane	0.538	0.535		-0.56	20
4-Methyl-2-Pentanone	0.479	0.506		5.64	20
Toluene	0.839	0.864		2.98	20

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	0.556	0.582		4.68	20
cis-1,3-Dichloropropene	0.603	0.618		2.49	20
1,1,2-Trichloroethane	0.339	0.351		3.54	20
1,3-Dichloropropane	0.578	0.609		5.36	20
2-Chloroethyl Vinyl ether	0.286	0.283		-1.05	20
2-Hexanone	0.352	0.364		3.41	20
Dibromochloromethane	0.398	0.411		3.27	20
1,2-Dibromoethane	0.356	0.365		2.53	20
Tetrachloroethene	0.314	0.305		-2.87	20
Chlorobenzene	1.062	1.085	0.3	2.17	20
1,1,1,2-Tetrachloroethane	0.386	0.375		-2.85	20
Hexachloroethane	0.753	0.692		-8.1	20
Ethyl Benzene	1.853	1.874		1.13	20
m/p-Xylenes	0.688	0.702		2.04	20
o-Xylene	0.695	0.695		0	20
Styrene	1.123	1.192		6.14	20
Bromoform	0.314	0.313	0.1	-0.32	20
Isopropylbenzene	4.085	3.903		-4.45	20
1,1,2,2-Tetrachloroethane	1.411	1.377	0.3	-2.41	20
1,2,3-Trichloropropane	1.213	1.160		-4.37	20
Bromobenzene	0.955	0.950		-0.52	20
n-propylbenzene	4.505	4.572		1.49	20
2-Chlorotoluene	2.910	2.832		-2.68	20
1,3,5-Trimethylbenzene	3.325	3.272		-1.59	20
4-Chlorotoluene	3.188	3.225		1.16	20
tert-Butylbenzene	3.477	3.268		-6.01	20
1,2,4-Trimethylbenzene	3.379	3.287		-2.72	20
sec-Butylbenzene	4.048	3.992		-1.38	20
p-Isopropyltoluene	3.327	3.290		-1.11	20
1,3-Dichlorobenzene	1.656	1.722		3.99	20
1,4-Dichlorobenzene	1.674	1.716		2.51	20
n-Butylbenzene	2.857	3.006		5.22	20
1,2-Dichlorobenzene	1.700	1.665		-2.06	20
1,2-Dibromo-3-Chloropropane	0.345	0.282		-18.26	20
1,2,4-Trichlorobenzene	1.016	1.073		5.61	20
Hexachlorobutadiene	0.399	0.395		-1	20
Naphthalene	3.920	3.936		0.41	20
1,2,3-Trichlorobenzene	1.054	1.088		3.23	20

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COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.755	0.714		-5.43	20
Dibromofluoromethane	0.318	0.317		-0.31	20
Toluene-d8	1.108	1.118		0.9	20
4-Bromofluorobenzene	0.413	0.422		2.18	20

All other compounds must meet a minimum RRF of 0.010.
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