284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG No.: P4663

Instrument ID: MSVOA_Y Calibration Date/Time: 11/01/2024 09:02

Lab File ID: VY020109.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.463	0.416		-10.15	20
Chloromethane	0.767	0.738	0.1	-3.78	20
Vinyl Chloride	0.823	0.819		-0.49	20
Bromomethane	0.546	0.498		-8.79	20
Chloroethane	0.531	0.533		0.38	20
Trichlorofluoromethane	1.005	1.006		0.1	20
1,1,2-Trichlorotrifluoroethane	0.564	0.567		0.53	20
1,1-Dichloroethene	0.540	0.544		0.74	20
Acetone	0.145	0.171		17.93	20
Carbon Disulfide	1.796	1.799		0.17	20
Methyl tert-butyl Ether	1.357	1.331		-1.92	20
Methyl Acetate	0.340	0.316		-7.06	20
Methylene Chloride	0.652	0.581		-10.89	20
trans-1,2-Dichloroethene	0.609	0.606		-0.49	20
1,1-Dichloroethane	1.170	1.189	0.1	1.62	20
Cyclohexane	1.132	1.101		-2.74	20
2-Butanone	0.197	0.205		4.06	20
Carbon Tetrachloride	0.494	0.533		7.89	20
cis-1,2-Dichloroethene	0.700	0.703		0.43	20
Bromochloromethane	0.548	0.558		1.83	20
Chloroform	1.161	1.178		1.46	20
1,1,1-Trichloroethane	1.013	1.038		2.47	20
Methylcyclohexane	0.623	0.670		7.54	20
Benzene	1.433	1.512		5.51	20
1,2-Dichloroethane	0.397	0.403		1.51	20
Trichloroethene	0.332	0.346		4.22	20
1,2-Dichloropropane	0.343	0.366		6.71	20
Bromodichloromethane	0.487	0.509		4.52	20
4-Methyl-2-Pentanone	0.232	0.240		3.45	20
Toluene	0.884	0.962		8.82	20
t-1,3-Dichloropropene	0.430	0.446		3.72	20
cis-1,3-Dichloropropene	0.513	0.545		6.24	20
1,1,2-Trichloroethane	0.231	0.240		3.9	20
2-Hexanone	0.166	0.183		10.24	20
Dibromochloromethane	0.295	0.302		2.37	20
1,2-Dibromoethane	0.215	0.215		0	20
Tetrachloroethene	0.330	0.354		7.27	20
Chlorobenzene	1.065	1.146	0.3	7.61	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
Ethyl Benzene	1.992	2.169		8.89	20
m/p-Xylenes	0.729	0.794		8.92	20
o-Xylene	0.690	0.761		10.29	20
Styrene	1.141	1.258		10.25	20
Bromoform	0.175	0.184	0.1	5.14	20
Isopropylbenzene	3.994	4.389		9.89	20
1,1,2,2-Tetrachloroethane	0.699	0.687	0.3	-1.72	20
1,3-Dichlorobenzene	1.641	1.752		6.76	20
1,4-Dichlorobenzene	1.634	1.698		3.92	20
1,2-Dichlorobenzene	1.426	1.498		5.05	20
1,2-Dibromo-3-Chloropropane	0.106	0.101		-4.72	20
1,2,4-Trichlorobenzene	0.766	0.780		1.83	20
1,2,3-Trichlorobenzene	0.650	0.631		-2.92	20
1,2-Dichloroethane-d4	0.624	0.526		-15.7	20
Dibromofluoromethane	0.318	0.284		-10.69	20
Toluene-d8	1.265	1.175		-7.11	20
4-Bromofluorobenzene	0.411	0.381		-7.3	20

All other compounds must meet a minimum RRF of 0.010.
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