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.: P4886 SAS No.: P4886 SDG No.: P4886

Instrument ID: MSVOA_X Calibration Date/Time: 11/25/2024 11:27

Lab File ID: VX043977.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.589		-6.95	20
Chloromethane	0.667	0.624	0.1	-6.45	20
Vinyl Chloride	0.709	0.656		-7.47	20
Ethyl Acetate	0.553	0.512		-7.41	20
Bromomethane	0.436	0.450		3.21	20
Chloroethane	0.432	0.419		-3.01	20
Trichlorofluoromethane	1.268	1.137		-10.33	20
1,1,2-Trichlorotrifluoroethane	0.605	0.576		-4.79	20
Tert butyl alcohol	0.138	0.121		-12.32	20
1,1-Dichloroethene	0.576	0.531		-7.81	20
Acrolein	0.145	0.130		-10.35	20
Acrylonitrile	0.335	0.321		-4.18	20
Acetone	0.394	0.361		-8.38	20
Carbon Disulfide	1.188	1.050		-11.62	20
Methyl tert-butyl Ether	2.092	2.024		-3.25	20
Methyl Acetate	0.917	0.854		-6.87	20
Methylene Chloride	0.668	0.625		-6.44	20
trans-1,2-Dichloroethene	0.595	0.560		-5.88	20
Vinyl Acetate	1.722	1.711		-0.64	20
1,1-Dichloroethane	1.161	1.131	0.1	-2.58	20
Cyclohexane	0.956	0.884		-7.53	20
2-Butanone	0.508	0.480		-5.51	20
Carbon Tetrachloride	0.500	0.507		1.4	20
2,2-Dichloropropane	1.049	0.994		-5.24	20
cis-1,2-Dichloroethene	0.735	0.712		-3.13	20
Bromochloromethane	0.511	0.489		-4.3	20
Chloroform	1.249	1.232		-1.36	20
1,1,1-Trichloroethane	1.077	1.056		-1.95	20
Methylcyclohexane	0.578	0.553		-4.32	20
1,1-Dichloropropene	0.445	0.437		-1.8	20
Benzene	1.387	1.357		-2.16	20
1,2-Dichloroethane	0.557	0.546		-1.98	20
Trichloroethene	0.393	0.334		-15.01	20
1,2-Dichloropropane	0.340	0.339		-0.29	20
Dibromomethane	0.269	0.271		0.74	20
Bromodichloromethane	0.482	0.500		3.73	20
4-Methyl-2-Pentanone	0.537	0.513		-4.47	20
Toluene	0.830	0.830		0	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	0.491	0.507		3.26	20
cis-1,3-Dichloropropene	0.539	0.543		0.74	20
1,1,2-Trichloroethane	0.343	0.336		-2.04	20
1,3-Dichloropropane	0.577	0.576		-0.17	20
2-Chloroethyl Vinyl ether	0.273	0.266		-2.56	20
2-Hexanone	0.403	0.390		-3.23	20
Dibromochloromethane	0.344	0.356		3.49	20
1,2-Dibromoethane	0.346	0.344		-0.58	20
Tetrachloroethene	0.330	0.331		0.3	20
Chlorobenzene	1.098	1.081	0.3	-1.55	20
1,1,1,2-Tetrachloroethane	0.356	0.372		4.49	20
Hexachloroethane	0.530	0.516		-2.64	20
Ethyl Benzene	1.861	1.882		1.13	20
m/p-Xylenes	0.694	0.706		1.73	20
o-Xylene	0.678	0.678		0	20
Styrene	1.121	1.173		4.64	20
Bromoform	0.240	0.248	0.1	3.33	20
Isopropylbenzene	3.843	3.702		-3.67	20
1,1,2,2-Tetrachloroethane	1.316	1.246	0.3	-5.32	20
1,2,3-Trichloropropane	1.096	1.039		-5.2	20
Bromobenzene	0.917	0.887		-3.27	20
n-propylbenzene	4.293	4.283		-0.23	20
2-Chlorotoluene	2.714	2.595		-4.39	20
1,3,5-Trimethylbenzene	3.162	3.142		-0.63	20
4-Chlorotoluene	3.064	2.978		-2.81	20
tert-Butylbenzene	3.134	3.087		-1.5	20
1,2,4-Trimethylbenzene	3.148	3.147		-0.03	20
sec-Butylbenzene	3.840	3.823		-0.44	20
p-Isopropyltoluene	3.119	3.229		3.53	20
1,3-Dichlorobenzene	1.670	1.624		-2.75	20
1,4-Dichlorobenzene	1.702	1.617		-4.99	20
n-Butylbenzene	2.750	2.805		2	20
1,2-Dichlorobenzene	1.685	1.638		-2.79	20
1,2-Dibromo-3-Chloropropane	0.264	0.243		-7.95	20
1,2,4-Trichlorobenzene	0.994	0.954		-4.02	20
Hexachlorobutadiene	0.393	0.381		-3.05	20
Naphthalene	3.576	3.528		-1.34	20
1,2,3-Trichlorobenzene	1.006	0.977		-2.88	20

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COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.858	0.840		-2.1	20
Dibromofluoromethane	0.357	0.360		0.84	20
Toluene-d8	1.232	1.227		-0.41	20
4-Bromofluorobenzene	0.419	0.426		1.67	20

All other compounds must meet a minimum RRF of 0.010.
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