



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SHAW27

Lab Code: CHEM Case No.: F4724 SAS No.: F4724 SDG No.: F4724

Instrument ID: BNA_F Calibration Date/Time: 11/15/2014 03:37

Lab File ID: BF075520.D Init. Calib. Date(s): 11/12/2014 11/12/2014

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 15:18 20:03

GC Column: RTX-5 ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.132	1.196		5.7	50.0
Phenol-d6	1.361	1.446		6.2	50.0
Phenol	1.661	1.872		12.7	50.0
bis(2-Chloroethyl)ether	1.258	1.282		1.9	50.0
2-Chlorophenol	1.310	1.365		4.2	50.0
1,2-Dichlorobenzene	1.362	1.381		1.4	50.0
1,3-Dichlorobenzene	1.428	1.468		2.8	50.0
1,4-Dichlorobenzene	1.453	1.507		3.7	50.0
Benzyl Alcohol	1.069	1.084		1.4	50.0
2-Methylphenol	1.085	1.155		6.5	50.0
2,2-oxybis(1-Chloropropane)	2.604	2.642		1.5	50.0
3+4-Methylphenols	1.420	1.492		5.1	50.0
n-Nitroso-di-n-propylamine	0.928	0.971	0.050	4.6	50.0
Nitrobenzene-d5	0.273	0.301		10.3	50.0
Hexachloroethane	0.498	0.514		3.2	50.0
Nitrobenzene	0.316	0.350		10.8	50.0
Isophorone	0.623	0.642		3.0	50.0
2-Nitrophenol	0.144	0.153		6.3	50.0
2,4-Dimethylphenol	0.279	0.284		1.8	50.0
bis(2-Chloroethoxy)methane	0.380	0.392		3.2	50.0
2,4-Dichlorophenol	0.245	0.241		-1.6	50.0
1,2,4-Trichlorobenzene	0.257	0.251		-2.3	50.0
Benzoic acid	0.169	0.178		5.3	50.0
Naphthalene	0.892	0.920		3.1	50.0
4-Chloroaniline	0.387	0.399		3.1	50.0
Hexachlorobutadiene	0.139	0.128		-7.9	50.0
4-Chloro-3-methylphenol	0.268	0.259		-3.4	50.0
2-Methylnaphthalene	0.608	0.604		-0.7	50.0
Hexachlorocyclopentadiene	0.250	0.249	0.050	-0.4	50.0
2,4,6-Trichlorophenol	0.327	0.325		-0.6	50.0
2-Fluorobiphenyl	1.107	1.100		-0.6	50.0
2,4,5-Trichlorophenol	0.341	0.340		-0.3	50.0
2-Chloronaphthalene	1.055	1.072		1.6	50.0
2-Nitroaniline	0.317	0.352		11.0	50.0
Dimethylphthalate	1.367	1.337		-2.2	50.0
Acenaphthylene	1.739	1.750		0.6	50.0
2,6-Dinitrotoluene	0.269	0.269		0.0	50.0
3-Nitroaniline	0.318	0.358		12.6	50.0
Acenaphthene	1.050	1.078		2.7	50.0
2,4-Dinitrophenol	0.112	0.121	0.050	8.0	50.0
4-Nitrophenol	0.254	0.278	0.050	9.4	50.0



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.500	1.552		3.5	50.0
2,4-Dinitrotoluene	0.354	0.366		3.4	50.0
Diethylphthalate	1.419	1.293		-8.9	50.0
4-Chlorophenyl-phenylether	0.522	0.495		-5.2	50.0
Fluorene	1.213	1.193		-1.6	50.0
4-Nitroaniline	0.317	0.350		10.4	50.0
4,6-Dinitro-2-methylphenol	0.101	0.104		3.0	50.0
n-Nitrosodiphenylamine	0.633	0.623		-1.6	50.0
2,4,6-Tribromophenol	0.168	0.159		-5.4	50.0
4-Bromophenyl-phenylether	0.188	0.185		-1.6	50.0
Hexachlorobenzene	0.214	0.207		-3.3	50.0
Pentachlorophenol	0.134	0.133		-0.7	50.0
Phenanthrene	1.053	1.081		2.7	50.0
Anthracene	1.088	1.104		1.5	50.0
Di-n-butylphthalate	1.471	1.380		-6.2	50.0
Fluoranthene	1.127	1.147		1.8	50.0
Pyrene	1.163	1.074		-7.7	50.0
Terphenyl-d14	0.743	0.677		-8.9	50.0
Butylbenzylphthalate	0.653	0.551		-15.6	50.0
3,3-Dichlorobenzidine	0.388	0.372		-4.1	50.0
Benzo(a)anthracene	1.051	1.009		-4.0	50.0
Chrysene	0.909	0.911		0.2	50.0
Bis(2-ethylhexyl)phthalate	1.029	0.838		-18.6	50.0
Di-n-octyl phthalate	1.811	1.483		-18.1	50.0
Benzo(b)fluoranthene	1.069	1.055		-1.3	50.0
Benzo(k)fluoranthene	0.960	0.873		-9.1	50.0
Benzo(a)pyrene	0.957	0.931		-2.7	50.0
Indeno(1,2,3-cd)pyrene	1.102	1.254		13.8	50.0
Dibenzo(a,h)anthracene	0.999	1.022		2.3	50.0
Benzo(g,h,i)perylene	0.952	1.035		8.7	50.0

All other compounds must meet a minimum RRF of 0.010.