



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: 11/14/2014 17:08

Lab File ID: BF075498.D Init. Calib. Date(s): 11/12/2014 11/12/2014

EPA Sample No.: SSTDCCC040 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	1.214		7.2	
Phenol-d6	1.361	1.499		10.1	
Phenol	1.661	1.858		11.9	20.0
bis(2-Chloroethyl)ether	1.258	1.381		9.8	
2-Chlorophenol	1.310	1.345		2.7	
1,2-Dichlorobenzene	1.362	1.385		1.7	
1,3-Dichlorobenzene	1.428	1.438		0.7	
1,4-Dichlorobenzene	1.453	1.489		2.5	20.0
Benzyl Alcohol	1.069	1.134		6.1	
2-Methylphenol	1.085	1.096		1.0	
2,2-oxybis(1-Chloropropane)	2.604	2.673		2.7	
3+4-Methylphenols	1.420	1.439		1.3	
n-Nitroso-di-n-propylamine	0.928	0.938	0.050	1.1	
Nitrobenzene-d5	0.273	0.289		5.9	
Hexachloroethane	0.498	0.510		2.4	
Nitrobenzene	0.316	0.329		4.1	
Isophorone	0.623	0.640		2.7	
2-Nitrophenol	0.144	0.152		5.6	20.0
2,4-Dimethylphenol	0.279	0.272		-2.5	
bis(2-Chloroethoxy)methane	0.380	0.377		-0.8	
2,4-Dichlorophenol	0.245	0.243		-0.8	20.0
1,2,4-Trichlorobenzene	0.257	0.254		-1.2	
Benzoic acid	0.169	0.153		-9.5	
Naphthalene	0.892	0.889		-0.3	
4-Chloroaniline	0.387	0.382		-1.3	
Hexachlorobutadiene	0.139	0.136		-2.2	20.0
4-Chloro-3-methylphenol	0.268	0.268		0.0	20.0
2-Methylnaphthalene	0.608	0.620		2.0	
Hexachlorocyclopentadiene	0.250	0.231	0.050	-7.6	
2,4,6-Trichlorophenol	0.327	0.324		-0.9	20.0
2-Fluorobiphenyl	1.107	1.091		-1.4	
2,4,5-Trichlorophenol	0.341	0.354		3.8	
2-Chloronaphthalene	1.055	1.053		-0.2	
2-Nitroaniline	0.317	0.326		2.8	
Dimethylphthalate	1.367	1.352		-1.1	
Acenaphthylene	1.739	1.741		0.1	
2,6-Dinitrotoluene	0.269	0.266		-1.1	
3-Nitroaniline	0.318	0.335		5.3	
Acenaphthene	1.050	1.069		1.8	20.0
2,4-Dinitrophenol	0.112	0.122	0.050	8.9	
4-Nitrophenol	0.254	0.276	0.050	8.7	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.500	1.428		-4.8	
2,4-Dinitrotoluene	0.354	0.380		7.3	
Diethylphthalate	1.419	1.387		-2.3	
4-Chlorophenyl-phenylether	0.522	0.500		-4.2	
Fluorene	1.213	1.170		-3.5	
4-Nitroaniline	0.317	0.334		5.4	
4,6-Dinitro-2-methylphenol	0.101	0.106		4.9	
n-Nitrosodiphenylamine	0.633	0.631		-0.3	20.0
2,4,6-Tribromophenol	0.168	0.166		-1.2	
4-Bromophenyl-phenylether	0.188	0.178		-5.3	
Hexachlorobenzene	0.214	0.209		-2.3	
Pentachlorophenol	0.134	0.137		2.2	20.0
Phenanthrene	1.053	1.030		-2.2	
Anthracene	1.088	1.082		-0.6	
Di-n-butylphthalate	1.471	1.464		-0.5	
Fluoranthene	1.127	1.197		6.2	20.0
Pyrene	1.163	1.141		-1.9	
Terphenyl-d14	0.743	0.675		-9.2	
Butylbenzylphthalate	0.653	0.634		-2.9	
3,3-Dichlorobenzidine	0.388	0.404		4.1	
Benzo(a)anthracene	1.051	1.071		1.9	
Chrysene	0.909	0.923		1.5	
Bis(2-ethylhexyl)phthalate	1.029	0.949		-7.8	
Di-n-octyl phthalate	1.811	1.747		-3.5	20.0
Benzo(b)fluoranthene	1.069	1.001		-6.4	
Benzo(k)fluoranthene	0.960	0.962		0.2	
Benzo(a)pyrene	0.957	0.932		-2.6	20.0
Indeno(1,2,3-cd)pyrene	1.102	1.259		14.2	
Dibenzo(a,h)anthracene	0.999	0.974		-2.5	
Benzo(g,h,i)perylene	0.952	0.973		2.2	

All other compounds must meet a minimum RRF of 0.010.