



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: 12/03/2014 20:47

Lab File ID: BF075972.D Init. Calib. Date(s): 11/28/2014 11/28/2014

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:08 14:57

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	0.604	0.552		-8.6	50.0
Phenol-d6	0.725	0.698		-3.7	50.0
Phenol	1.859	1.643		-11.6	50.0
bis(2-Chloroethyl)ether	1.301	1.314		1.0	50.0
2-Chlorophenol	1.382	1.324		-4.2	50.0
1,2-Dichlorobenzene	1.491	1.439		-3.5	50.0
1,3-Dichlorobenzene	1.506	1.469		-2.5	50.0
1,4-Dichlorobenzene	1.634	1.537		-5.9	50.0
Benzyl Alcohol	1.139	1.182		3.8	50.0
2-Methylphenol	1.120	1.056		-5.7	50.0
2,2-oxybis(1-Chloropropane)	1.985	1.860		-6.3	50.0
3+4-Methylphenols	1.478	1.404		-5.0	50.0
n-Nitroso-di-n-propylamine	0.982	0.960	0.050	-2.2	50.0
Nitrobenzene-d5	0.155	0.160		3.2	50.0
Hexachloroethane	0.532	0.551		3.6	50.0
Nitrobenzene	0.356	0.379		6.5	50.0
Isophorone	0.662	0.666		0.6	50.0
2-Nitrophenol	0.172	0.170		-1.2	50.0
2,4-Dimethylphenol	0.296	0.281		-5.1	50.0
bis(2-Chloroethoxy)methane	0.396	0.369		-6.8	50.0
2,4-Dichlorophenol	0.269	0.274		1.9	50.0
1,2,4-Trichlorobenzene	0.299	0.277		-7.4	50.0
Benzoic acid	0.166	0.281		69.3	50.0
Naphthalene	0.983	0.961		-2.2	50.0
4-Chloroaniline	0.407	0.419		2.9	50.0
Hexachlorobutadiene	0.164	0.163		-0.6	50.0
4-Chloro-3-methylphenol	0.286	0.287		0.3	50.0
2-Methylnaphthalene	0.669	0.678		1.3	50.0
Hexachlorocyclopentadiene	0.281	0.268	0.050	-4.6	50.0
2,4,6-Trichlorophenol	0.357	0.353		-1.1	50.0
2-Fluorobiphenyl	0.627	0.631		0.6	50.0
2,4,5-Trichlorophenol	0.381	0.391		2.6	50.0
2-Chloronaphthalene	1.217	1.142		-6.2	50.0
2-Nitroaniline	0.364	0.368		1.1	50.0
Dimethylphthalate	1.485	1.473		-0.8	50.0
Acenaphthylene	1.944	1.801		-7.4	50.0
2,6-Dinitrotoluene	0.292	0.330		13.0	50.0
3-Nitroaniline	0.365	0.335		-8.2	50.0
Acenaphthene	1.113	1.165		4.7	50.0
2,4-Dinitrophenol	0.150	0.153	0.050	2.0	50.0
4-Nitrophenol	0.274	0.303	0.050	10.6	50.0



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.658	1.666		0.5	50.0
2,4-Dinitrotoluene	0.399	0.439		10.0	50.0
Diethylphthalate	1.536	1.505		-2.0	50.0
4-Chlorophenyl-phenylether	0.586	0.563		-3.9	50.0
Fluorene	1.353	1.339		-1.0	50.0
4-Nitroaniline	0.346	0.352		1.7	50.0
4,6-Dinitro-2-methylphenol	0.124	0.125		0.8	50.0
n-Nitrosodiphenylamine	0.727	0.651		-10.5	50.0
2,4,6-Tribromophenol	0.087	0.090		3.4	50.0
4-Bromophenyl-phenylether	0.219	0.186		-15.1	50.0
Hexachlorobenzene	0.241	0.212		-12.0	50.0
Pentachlorophenol	0.140	0.141		0.7	50.0
Phenanthrene	1.201	1.130		-5.9	50.0
Anthracene	1.204	1.086		-9.8	50.0
Di-n-butylphthalate	1.562	1.516		-2.9	50.0
Fluoranthene	1.278	1.178		-7.8	50.0
Pyrene	1.341	1.277		-4.8	50.0
Terphenyl-d14	0.454	0.414		-8.8	50.0
Butylbenzylphthalate	0.723	0.692		-4.3	50.0
3,3-Dichlorobenzidine	0.453	0.442		-2.4	50.0
Benzo(a)anthracene	1.231	1.163		-5.5	50.0
Chrysene	1.112	1.067		-4.0	50.0
Bis(2-ethylhexyl)phthalate	1.150	1.002		-12.9	50.0
Di-n-octyl phthalate	2.059	1.712		-16.9	50.0
Benzo(b)fluoranthene	1.310	1.288		-1.7	50.0
Benzo(k)fluoranthene	1.185	0.991		-16.4	50.0
Benzo(a)pyrene	1.167	1.074		-8.0	50.0
Indeno(1,2,3-cd)pyrene	1.382	1.073		-22.4	50.0
Dibenzo(a,h)anthracene	1.191	0.995		-16.5	50.0
Benzo(g,h,i)perylene	1.201	1.009		-16.0	50.0

All other compounds must meet a minimum RRF of 0.010.