

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG No.: P4718
Instrument ID: BNA_F Calibration Date/Time: 11/07/2024 08:59
Lab File ID: BF140261.D Init. Calib. Date(s): 11/05/2024 11/05/2024
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 15:30
GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.207	1.165		-3.5	
Benzaldehyde	0.956	0.810		-15.3	
Phenol-d6	1.552	1.463		-5.7	
Phenol	1.649	1.561		-5.3	20.0
bis(2-Chloroethyl)ether	1.252	1.210		-3.4	
2-Chlorophenol	1.263	1.231		-2.5	
2-Methylphenol	1.053	1.018		-3.3	
2,2-oxybis(1-Chloropropane)	2.027	1.887		-6.9	
Acetophenone	0.496	0.470		-5.2	
3+4-Methylphenols	1.323	1.261		-4.7	
n-Nitroso-di-n-propylamine	0.990	0.931	0.050	-6.0	
Nitrobenzene-d5	0.402	0.382		-5.0	
Hexachloroethane	0.556	0.541		-2.7	
Nitrobenzene	0.422	0.399		-5.4	
Isophorone	0.693	0.666		-3.9	
2-Nitrophenol	0.168	0.177		5.4	20.0
2,4-Dimethylphenol	0.228	0.227		-0.4	
bis(2-Chloroethoxy)methane	0.415	0.403		-2.9	
2,4-Dichlorophenol	0.283	0.288		1.8	20.0
Naphthalene	1.033	0.994		-3.8	
4-Chloroaniline	0.340	0.337		-0.9	
Hexachlorobutadiene	0.229	0.225		-1.7	20.0
Caprolactam	0.086	0.089		3.5	
4-Chloro-3-methylphenol	0.315	0.313		-0.6	20.0
2-Methylnaphthalene	0.674	0.656		-2.7	
Hexachlorocyclopentadiene	0.164	0.179	0.050	9.1	
2,4,6-Trichlorophenol	0.363	0.369		1.7	20.0
2-Fluorobiphenyl	1.253	1.179		-5.8	
2,4,5-Trichlorophenol	0.381	0.390		2.4	
1,1-Biphenyl	1.446	1.384		-4.3	
2-Chloronaphthalene	1.088	1.060		-2.6	
2-Nitroaniline	0.364	0.353		-3.0	
Dimethylphthalate	1.232	1.219		-1.1	
Acenaphthylene	1.540	1.494		-3.0	
2,6-Dinitrotoluene	0.290	0.293		1.0	
3-Nitroaniline	0.273	0.272		-0.4	
Acenaphthene	1.093	1.068		-2.3	20.0
2,4-Dinitrophenol	0.120	0.130	0.050	8.3	
4-Nitrophenol	0.192	0.199	0.050	3.6	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.528	1.498		-2.0	
2,4-Dinitrotoluene	0.376	0.389		3.5	
Diethylphthalate	1.224	1.230		0.5	
4-Chlorophenyl-phenylether	0.613	0.600		-2.1	
Fluorene	1.216	1.168		-3.9	
4-Nitroaniline	0.271	0.275		1.5	
4,6-Dinitro-2-methylphenol	0.105	0.111		5.7	
n-Nitrosodiphenylamine	0.575	0.555		-3.5	20.0
2,4,6-Tribromophenol	0.198	0.209		5.6	
4-Bromophenyl-phenylether	0.215	0.217		0.9	
Hexachlorobenzene	0.245	0.246		0.4	
Atrazine	0.157	0.164		4.5	
Pentachlorophenol	0.132	0.145		9.8	20.0
Phenanthrene	0.954	0.929		-2.6	
Anthracene	0.936	0.894		-4.5	
Carbazole	0.855	0.830		-2.9	
Di-n-butylphthalate	1.012	1.017		0.5	
Fluoranthene	0.998	0.976		-2.2	20.0
Pyrene	1.651	1.654		0.2	
Terphenyl-d14	1.221	1.218		-0.2	
Butylbenzylphthalate	0.595	0.651		9.4	
3,3-Dichlorobenzidine	0.403	0.401		-0.5	
Benzo (a) anthracene	1.284	1.263		-1.6	
Chrysene	1.202	1.168		-2.8	
Bis(2-ethylhexyl)phthalate	0.833	0.864		3.7	
Di-n-octyl phthalate	1.254	1.310		4.5	20.0
Benzo (b) fluoranthene	1.210	1.159		-4.2	
Benzo (k) fluoranthene	1.110	1.122		1.1	
Benzo (a) pyrene	0.997	0.992		-0.5	20.0
Indeno (1,2,3-cd) pyrene	1.174	1.165		-0.8	
Dibenzo (a,h) anthracene	0.966	0.952		-1.4	
Benzo (g,h,i) perylene	0.985	0.966		-1.9	
1,2,4,5-Tetrachlorobenzene	0.586	0.573		-2.2	
1,4-Dioxane	0.555	0.516		-7.0	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.327		4.5	

All other compounds must meet a minimum RRF of 0.010.