

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: BNA_F Calibration Date/Time: 11/19/2024 10:34

Lab File ID: BF140463.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.209		3.2	
Benzaldehyde	0.951	1.383		45.4	
Phenol-d6	1.587	1.607		1.3	
Phenol	1.674	1.664		-0.6	20.0
bis(2-Chloroethyl)ether	1.268	1.312		3.5	
2-Chlorophenol	1.258	1.294		2.9	
2-Methylphenol	1.035	1.061		2.5	
2,2-oxybis(1-Chloropropane)	1.752	1.628		-7.1	
Acetophenone	0.465	0.479		3.0	
3+4-Methylphenols	1.295	1.288		-0.5	
n-Nitroso-di-n-propylamine	0.959	0.905	0.050	-5.6	
Nitrobenzene-d5	0.384	0.393		2.3	
Hexachloroethane	0.520	0.523		0.6	
Nitrobenzene	0.400	0.412		3.0	
Isophorone	0.680	0.671		-1.3	
2-Nitrophenol	0.177	0.189		6.8	20.0
2,4-Dimethylphenol	0.227	0.237		4.4	
bis(2-Chloroethoxy)methane	0.417	0.423		1.4	
2,4-Dichlorophenol	0.281	0.294		4.6	20.0
Naphthalene	1.015	1.055		3.9	
4-Chloroaniline	0.353	0.316		-10.5	
Hexachlorobutadiene	0.199	0.203		2.0	20.0
Caprolactam	0.093	0.097		4.3	
4-Chloro-3-methylphenol	0.311	0.321		3.2	20.0
2-Methylnaphthalene	0.651	0.665		2.2	
Hexachlorocyclopentadiene	0.142	0.127	0.050	-10.6	
2,4,6-Trichlorophenol	0.363	0.376		3.6	20.0
2-Fluorobiphenyl	1.244	1.257		1.0	
2,4,5-Trichlorophenol	0.397	0.420		5.8	
1,1-Biphenyl	1.455	1.490		2.4	
2-Chloronaphthalene	1.108	1.130		2.0	
2-Nitroaniline	0.368	0.379		3.0	
Dimethylphthalate	1.304	1.310		0.5	
Acenaphthylene	1.677	1.756		4.7	
2,6-Dinitrotoluene	0.297	0.312		5.1	
3-Nitroaniline	0.312	0.322		3.2	
Acenaphthene	1.133	1.176		3.8	20.0
2,4-Dinitrophenol	0.153	0.157	0.050	2.6	
4-Nitrophenol	0.228	0.229	0.050	0.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.660		3.6	
2,4-Dinitrotoluene	0.391	0.413		5.6	
Diethylphthalate	1.333	1.315		-1.4	
4-Chlorophenyl-phenylether	0.625	0.626		0.2	
Fluorene	1.267	1.293		2.1	
4-Nitroaniline	0.319	0.326		2.2	
4,6-Dinitro-2-methylphenol	0.108	0.117		8.3	
n-Nitrosodiphenylamine	0.578	0.588		1.7	20.0
2,4,6-Tribromophenol	0.199	0.209		5.0	
4-Bromophenyl-phenylether	0.200	0.204		2.0	
Hexachlorobenzene	0.225	0.231		2.7	
Atrazine	0.175	0.164		-6.3	
Pentachlorophenol	0.121	0.124		2.5	20.0
Phenanthrene	0.940	0.946		0.6	
Anthracene	0.921	0.941		2.2	
Carbazole	0.909	0.940		3.4	
Di-n-butylphthalate	1.091	1.073		-1.6	
Fluoranthene	1.054	1.081		2.6	20.0
Pyrene	1.711	1.689		-1.3	
Terphenyl-d14	1.152	1.112		-3.5	
Butylbenzylphthalate	0.657	0.669		1.8	
3,3-Dichlorobenzidine	0.418	0.391		-6.5	
Benzo (a) anthracene	1.314	1.336		1.7	
Chrysene	1.199	1.224		2.1	
Bis(2-ethylhexyl)phthalate	0.877	0.897		2.3	
Di-n-octyl phthalate	1.235	1.330		7.7	20.0
Benzo (b) fluoranthene	1.308	1.249		-4.5	
Benzo (k) fluoranthene	1.069	1.194		11.7	
Benzo (a) pyrene	1.016	1.051		3.4	20.0
Indeno (1,2,3-cd) pyrene	1.235	1.208		-2.2	
Dibenzo (a,h) anthracene	1.021	1.001		-2.0	
Benzo (g,h,i) perylene	1.044	1.009		-3.4	
1,2,4,5-Tetrachlorobenzene	0.553	0.568		2.7	
1,4-Dioxane	0.522	0.555		6.3	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.333		6.4	

All other compounds must meet a minimum RRF of 0.010.