

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG No.: Q1069

Instrument ID: BNA_F Calibration Date/Time: 01/15/2025 09:34

Lab File ID: BF141163.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:58 17:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.295	1.263		-2.5	
Benzaldehyde	0.966	0.866		-10.4	
Phenol-d6	1.640	1.570		-4.3	
Phenol	1.756	1.667		-5.1	20.0
bis(2-Chloroethyl)ether	1.308	1.229		-6.0	
2-Chlorophenol	1.389	1.347		-3.0	
2-Methylphenol	1.121	1.090		-2.8	
2,2-oxybis(1-Chloropropane)	1.826	1.648		-9.7	
Acetophenone	0.475	0.457		-3.8	
3+4-Methylphenols	1.415	1.349		-4.7	
n-Nitroso-di-n-propylamine	0.966	0.881	0.050	-8.8	
Nitrobenzene-d5	0.377	0.370		-1.9	
Hexachloroethane	0.565	0.551		-2.5	
Nitrobenzene	0.393	0.385		-2.0	
Isophorone	0.645	0.612		-5.1	
2-Nitrophenol	0.179	0.184		2.8	20.0
2,4-Dimethylphenol	0.241	0.232		-3.7	
bis(2-Chloroethoxy)methane	0.405	0.380		-6.2	
2,4-Dichlorophenol	0.287	0.284		-1.0	20.0
Naphthalene	1.055	1.026		-2.7	
4-Chloroaniline	0.365	0.344		-5.8	
Hexachlorobutadiene	0.197	0.196		-0.5	20.0
Caprolactam	0.094	0.092		-2.1	
4-Chloro-3-methylphenol	0.313	0.306		-2.2	20.0
2-Methylnaphthalene	0.672	0.639		-4.9	
Hexachlorocyclopentadiene	0.188	0.199	0.050	5.9	
2,4,6-Trichlorophenol	0.387	0.370		-4.4	20.0
2-Fluorobiphenyl	1.310	1.231		-6.0	
2,4,5-Trichlorophenol	0.409	0.404		-1.2	
1,1-Biphenyl	1.553	1.467		-5.5	
2-Chloronaphthalene	1.210	1.166		-3.6	
2-Nitroaniline	0.359	0.353		-1.7	
Dimethylphthalate	1.343	1.288		-4.1	
Acenaphthylene	1.728	1.651		-4.5	
2,6-Dinitrotoluene	0.312	0.308		-1.3	
3-Nitroaniline	0.317	0.324		2.2	
Acenaphthene	1.208	1.176		-2.6	20.0
2,4-Dinitrophenol	0.148	0.159	0.050	7.4	
4-Nitrophenol	0.248	0.265	0.050	6.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.642	1.566		-4.6	
2,4-Dinitrotoluene	0.402	0.413		2.7	
Diethylphthalate	1.311	1.242		-5.3	
4-Chlorophenyl-phenylether	0.622	0.595		-4.3	
Fluorene	1.276	1.223		-4.2	
4-Nitroaniline	0.311	0.328		5.5	
4,6-Dinitro-2-methylphenol	0.116	0.131		12.9	
n-Nitrosodiphenylamine	0.645	0.629		-2.5	20.0
2,4,6-Tribromophenol	0.228	0.234		2.6	
4-Bromophenyl-phenylether	0.230	0.229		-0.4	
Hexachlorobenzene	0.256	0.257		0.4	
Atrazine	0.174	0.143		-17.8	
Pentachlorophenol	0.164	0.178		8.5	20.0
Phenanthrene	1.074	1.070		-0.4	
Anthracene	1.044	1.044		0.0	
Carbazole	0.957	0.989		3.3	
Di-n-butylphthalate	1.096	1.092		-0.4	
Fluoranthene	1.071	1.131		5.6	20.0
Pyrene	1.910	1.798		-5.9	
Terphenyl-d14	1.346	1.266		-5.9	
Butylbenzylphthalate	0.637	0.622		-2.4	
3,3-Dichlorobenzidine	0.433	0.415		-4.2	
Benzo (a) anthracene	1.361	1.300		-4.5	
Chrysene	1.274	1.151		-9.7	
Bis(2-ethylhexyl)phthalate	0.764	0.720		-5.8	
Di-n-octyl phthalate	1.154	0.997		-13.6	20.0
Benzo (b) fluoranthene	1.290	1.198		-7.1	
Benzo (k) fluoranthene	1.090	1.161		6.5	
Benzo (a) pyrene	1.064	1.042		-2.1	20.0
Indeno (1,2,3-cd) pyrene	1.465	1.419		-3.1	
Dibenzo (a,h) anthracene	1.185	1.151		-2.9	
Benzo (g,h,i) perylene	1.233	1.220		-1.1	
1,2,4,5-Tetrachlorobenzene	0.574	0.557		-3.0	
1,4-Dioxane	0.577	0.535		-7.3	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.329		-3.2	

All other compounds must meet a minimum RRF of 0.010.