

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG No.: Q2032

Instrument ID: BNA_P Calibration Date/Time: 05/19/2025 12:48

Lab File ID: BP024686.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.150		-1.6	
Benzaldehyde	0.966	0.927		-4.0	
Phenol-d6	1.492	1.492		0.0	
Phenol	1.540	1.515		-1.6	20.0
bis(2-Chloroethyl)ether	1.266	1.186		-6.3	
2-Chlorophenol	1.327	1.332		0.4	
2-Methylphenol	1.105	1.105		0.0	
2,2-oxybis(1-Chloropropane)	1.516	1.413		-6.8	
Acetophenone	0.500	0.474		-5.2	
3+4-Methylphenols	1.503	1.498		-0.3	
n-Nitroso-di-n-propylamine	1.032	0.994	0.050	-3.7	
Nitrobenzene-d5	0.396	0.371		-6.3	
Hexachloroethane	0.589	0.544		-7.6	
Nitrobenzene	0.348	0.326		-6.3	
Isophorone	0.687	0.647		-5.8	
2-Nitrophenol	0.171	0.181		5.8	20.0
2,4-Dimethylphenol	0.301	0.303		0.7	
bis(2-Chloroethoxy)methane	0.410	0.382		-6.8	
2,4-Dichlorophenol	0.292	0.294		0.7	20.0
Naphthalene	1.036	0.989		-4.5	
4-Chloroaniline	0.418	0.426		1.9	
Hexachlorobutadiene	0.213	0.203		-4.7	20.0
Caprolactam	0.106	0.109		2.8	
4-Chloro-3-methylphenol	0.356	0.352		-1.1	20.0
2-Methylnaphthalene	0.671	0.648		-3.4	
Hexachlorocyclopentadiene	0.352	0.524	0.050	48.9	
2,4,6-Trichlorophenol	0.376	0.389		3.5	20.0
2-Fluorobiphenyl	1.527	1.471		-3.7	
2,4,5-Trichlorophenol	0.419	0.420		0.2	
1,1-Biphenyl	1.478	1.423		-3.7	
2-Chloronaphthalene	1.127	1.099		-2.5	
2-Nitroaniline	0.334	0.330		-1.2	
Dimethylphthalate	1.524	1.431		-6.1	
Acenaphthylene	1.886	1.814		-3.8	
2,6-Dinitrotoluene	0.322	0.314		-2.5	
3-Nitroaniline	0.329	0.334		1.5	
Acenaphthene	1.084	1.034		-4.6	20.0
2,4-Dinitrophenol	0.169	0.173	0.050	2.4	
4-Nitrophenol	0.250	0.219	0.050	-12.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.657		-4.2	
2,4-Dinitrotoluene	0.454	0.465		2.4	
Diethylphthalate	1.541	1.495		-3.0	
4-Chlorophenyl-phenylether	0.703	0.692		-1.6	
Fluorene	1.410	1.400		-0.7	
4-Nitroaniline	0.317	0.343		8.2	
4,6-Dinitro-2-methylphenol	0.129	0.132		2.3	
n-Nitrosodiphenylamine	0.614	0.585		-4.7	20.0
2,4,6-Tribromophenol	0.339	0.350		3.2	
4-Bromophenyl-phenylether	0.236	0.231		-2.1	
Hexachlorobenzene	0.299	0.295		-1.3	
Atrazine	0.225	0.223		-0.9	
Pentachlorophenol	0.168	0.164		-2.4	20.0
Phenanthrene	1.112	1.047		-5.8	
Anthracene	1.119	1.084		-3.1	
Carbazole	1.012	0.995		-1.7	
Di-n-butylphthalate	1.302	1.256		-3.5	
Fluoranthene	1.300	1.236		-4.9	20.0
Pyrene	1.198	1.261		5.3	
Terphenyl-d14	1.166	1.259		8.0	
Butylbenzylphthalate	0.533	0.570		6.9	
3,3-Dichlorobenzidine	0.466	0.455		-2.4	
Benzo (a) anthracene	1.256	1.234		-1.8	
Chrysene	1.190	1.150		-3.4	
Bis(2-ethylhexyl)phthalate	0.783	0.792		1.1	
Di-n-octyl phthalate	1.281	1.160		-9.4	20.0
Benzo (b) fluoranthene	1.145	1.167		1.9	
Benzo (k) fluoranthene	1.180	1.204		2.0	
Benzo (a) pyrene	1.099	1.092		-0.6	20.0
Indeno (1,2,3-cd) pyrene	1.460	1.430		-2.1	
Dibenzo (a,h) anthracene	1.188	1.163		-2.1	
Benzo (g,h,i) perylene	1.181	1.155		-2.2	
1,2,4,5-Tetrachlorobenzene	0.581	0.567		-2.4	
1,4-Dioxane	0.549	0.489		-10.9	20.0
2,3,4,6-Tetrachlorophenol	0.388	0.388		0.0	

All other compounds must meet a minimum RRF of 0.010.