

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: BNA_P Calibration Date/Time: 05/15/2025 12:25

Lab File ID: BP024634.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	1.113		-4.8	
Benzaldehyde	0.966	0.853		-11.7	
Phenol-d6	1.492	1.373		-8.0	
Phenol	1.540	1.415		-8.1	20.0
bis(2-Chloroethyl)ether	1.266	1.168		-7.7	
2-Chlorophenol	1.327	1.296		-2.3	
2-Methylphenol	1.105	1.112		0.6	
2,2-oxybis(1-Chloropropane)	1.516	1.451		-4.3	
Acetophenone	0.500	0.481		-3.8	
3+4-Methylphenols	1.503	1.544		2.7	
n-Nitroso-di-n-propylamine	1.032	1.054	0.050	2.1	
Nitrobenzene-d5	0.396	0.378		-4.5	
Hexachloroethane	0.589	0.548		-7.0	
Nitrobenzene	0.348	0.331		-4.9	
Isophorone	0.687	0.662		-3.6	
2-Nitrophenol	0.171	0.170		-0.6	20.0
2,4-Dimethylphenol	0.301	0.296		-1.7	
bis(2-Chloroethoxy)methane	0.410	0.389		-5.1	
2,4-Dichlorophenol	0.292	0.292		0.0	20.0
Naphthalene	1.036	0.983		-5.1	
4-Chloroaniline	0.418	0.425		1.7	
Hexachlorobutadiene	0.213	0.197		-7.5	20.0
Caprolactam	0.106	0.110		3.8	
4-Chloro-3-methylphenol	0.356	0.356		0.0	20.0
2-Methylnaphthalene	0.671	0.646		-3.7	
Hexachlorocyclopentadiene	0.352	0.372	0.050	5.7	
2,4,6-Trichlorophenol	0.376	0.388		3.2	20.0
2-Fluorobiphenyl	1.527	1.446		-5.3	
2,4,5-Trichlorophenol	0.419	0.412		-1.7	
1,1-Biphenyl	1.478	1.391		-5.9	
2-Chloronaphthalene	1.127	1.069		-5.1	
2-Nitroaniline	0.334	0.336		0.6	
Dimethylphthalate	1.524	1.433		-6.0	
Acenaphthylene	1.886	1.811		-4.0	
2,6-Dinitrotoluene	0.322	0.313		-2.8	
3-Nitroaniline	0.329	0.337		2.4	
Acenaphthene	1.084	1.026		-5.4	20.0
2,4-Dinitrophenol	0.169	0.170	0.050	0.6	
4-Nitrophenol	0.250	0.260	0.050	4.0	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.659		-4.1	
2,4-Dinitrotoluene	0.454	0.453		-0.2	
Diethylphthalate	1.541	1.477		-4.2	
4-Chlorophenyl-phenylether	0.703	0.672		-4.4	
Fluorene	1.410	1.356		-3.8	
4-Nitroaniline	0.317	0.338		6.6	
4,6-Dinitro-2-methylphenol	0.129	0.126		-2.3	
n-Nitrosodiphenylamine	0.614	0.588		-4.2	20.0
2,4,6-Tribromophenol	0.339	0.334		-1.5	
4-Bromophenyl-phenylether	0.236	0.225		-4.7	
Hexachlorobenzene	0.299	0.283		-5.4	
Atrazine	0.225	0.216		-4.0	
Pentachlorophenol	0.168	0.180		7.1	20.0
Phenanthrene	1.112	1.049		-5.7	
Anthracene	1.119	1.053		-5.9	
Carbazole	1.012	0.991		-2.1	
Di-n-butylphthalate	1.302	1.272		-2.3	
Fluoranthene	1.300	1.234		-5.1	20.0
Pyrene	1.198	1.165		-2.8	
Terphenyl-d14	1.166	1.105		-5.2	
Butylbenzylphthalate	0.533	0.531		-0.4	
3,3-Dichlorobenzidine	0.466	0.491		5.4	
Benzo (a) anthracene	1.256	1.198		-4.6	
Chrysene	1.190	1.135		-4.6	
Bis(2-ethylhexyl)phthalate	0.783	0.781		-0.3	
Di-n-octyl phthalate	1.281	1.310		2.3	20.0
Benzo (b) fluoranthene	1.145	1.107		-3.3	
Benzo (k) fluoranthene	1.180	1.121		-5.0	
Benzo (a) pyrene	1.099	1.065		-3.1	20.0
Indeno (1,2,3-cd) pyrene	1.460	1.416		-3.0	
Dibenzo (a,h) anthracene	1.188	1.153		-2.9	
Benzo (g,h,i) perylene	1.181	1.148		-2.8	
1,2,4,5-Tetrachlorobenzene	0.581	0.557		-4.1	
1,4-Dioxane	0.549	0.486		-11.5	20.0
2,3,4,6-Tetrachlorophenol	0.388	0.383		-1.3	

All other compounds must meet a minimum RRF of 0.010.