

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

Instrument ID: BNA_P Calibration Date/Time: 05/14/2025 11:35

Lab File ID: BP024625.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
n-Nitrosodimethylamine	0.538	0.549		2.0	
Pyridine	1.218	1.184		-2.8	
2-Fluorophenol	1.169	1.128		-3.5	
Benzaldehyde	0.966	0.937		-3.0	
Aniline	1.927	1.853		-3.8	
Phenol-d6	1.492	1.457		-2.3	
Phenol	1.540	1.495		-2.9	20.0
bis(2-Chloroethyl) ether	1.266	1.188		-6.2	
2-Chlorophenol	1.327	1.303		-1.8	
1,2-Dichlorobenzene	1.497	1.428		-4.6	
1,3-Dichlorobenzene	1.527	1.433		-6.2	
1,4-Dichlorobenzene	1.536	1.457		-5.1	20.0
Benzyl Alcohol	1.134	1.167		2.9	
2-Methylphenol	1.105	1.098		-0.6	
2,2-oxybis(1-Chloropropane)	1.516	1.433		-5.5	
Acetophenone	0.500	0.480		-4.0	
3+4-Methylphenols	1.503	1.494		-0.6	
n-Nitroso-di-n-propylamine	1.032	1.028	0.050	-0.4	
Nitrobenzene-d5	0.396	0.391		-1.3	
Hexachloroethane	0.589	0.563		-4.4	
Nitrobenzene	0.348	0.343		-1.4	
Isophorone	0.687	0.663		-3.5	
2-Nitrophenol	0.171	0.172		0.6	20.0
2,4-Dimethylphenol	0.301	0.297		-1.3	
bis(2-Chloroethoxy) methane	0.410	0.393		-4.1	
2,4-Dichlorophenol	0.292	0.291		-0.3	20.0
1,2,4-Trichlorobenzene	0.329	0.318		-3.3	
Benzoic acid	0.181	0.196		8.3	
Naphthalene	1.036	0.988		-4.6	
4-Chloroaniline	0.418	0.421		0.7	
Hexachlorobutadiene	0.213	0.210		-1.4	20.0
Caprolactam	0.106	0.104		-1.9	
4-Chloro-3-methylphenol	0.356	0.345		-3.1	20.0
2-Methylnaphthalene	0.671	0.637		-5.1	
Hexachlorocyclopentadiene	0.352	0.374	0.050	6.3	
2,4,6-Trichlorophenol	0.376	0.372		-1.1	20.0
2-Fluorobiphenyl	1.527	1.435		-6.0	
2,4,5-Trichlorophenol	0.419	0.414		-1.2	
1,1-Biphenyl	1.478	1.383		-6.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.127	1.055		-6.4	
2-Nitroaniline	0.334	0.329		-1.5	
Dimethylphthalate	1.524	1.426		-6.4	
Acenaphthylene	1.886	1.782		-5.5	
2,6-Dinitrotoluene	0.322	0.312		-3.1	
3-Nitroaniline	0.329	0.332		0.9	
Acenaphthene	1.084	1.034		-4.6	20.0
2,4-Dinitrophenol	0.169	0.177	0.050	4.7	
4-Nitrophenol	0.250	0.255	0.050	2.0	
Dibenzofuran	1.730	1.675		-3.2	
2,4-Dinitrotoluene	0.454	0.461		1.5	
Diethylphthalate	1.541	1.516		-1.6	
4-Chlorophenyl-phenylether	0.703	0.695		-1.1	
Fluorene	1.410	1.393		-1.2	
4-Nitroaniline	0.317	0.348		9.8	
4,6-Dinitro-2-methylphenol	0.129	0.127		-1.5	
n-Nitrosodiphenylamine	0.614	0.582		-5.2	20.0
Azobenzene	1.318	1.317		-0.1	
2,4,6-Tribromophenol	0.339	0.349		3.0	
4-Bromophenyl-phenylether	0.236	0.226		-4.2	
Hexachlorobenzene	0.299	0.281		-6.0	
Atrazine	0.225	0.219		-2.7	
Pentachlorophenol	0.168	0.178		6.0	20.0
Phenanthrene	1.112	1.036		-6.8	
Anthracene	1.119	1.071		-4.3	
Carbazole	1.012	0.989		-2.3	
Di-n-butylphthalate	1.302	1.304		0.2	
Fluoranthene	1.300	1.264		-2.8	20.0
Benzidine	0.545	0.560		2.8	
Pyrene	1.198	1.141		-4.8	
Terphenyl-d14	1.166	1.115		-4.4	
Butylbenzylphthalate	0.533	0.534		0.2	
3,3-Dichlorobenzidine	0.466	0.478		2.6	
Benzo(a)anthracene	1.256	1.205		-4.1	
Chrysene	1.190	1.128		-5.2	
Bis(2-ethylhexyl)phthalate	0.783	0.787		0.5	
Di-n-octyl phthalate	1.281	1.305		1.9	20.0
Benzo(b)fluoranthene	1.145	1.111		-3.0	
Benzo(k)fluoranthene	1.180	1.142		-3.2	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.099	1.073		-2.4	20.0
Indeno(1,2,3-cd)pyrene	1.460	1.437		-1.6	
Dibenzo(a,h)anthracene	1.188	1.173		-1.3	
Benzo(g,h,i)perylene	1.181	1.160		-1.8	
1,2,4,5-Tetrachlorobenzene	0.581	0.540		-7.1	
1,4-Dioxane	0.549	0.527		-4.0	20.0
2,3,4,6-Tetrachlorophenol	0.388	0.386		-0.5	
1-Methylnaphthalene	0.718	0.669		-6.8	

All other compounds must meet a minimum RRF of 0.010.