Alliance TECHNICAL GROUP
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG No.: Q2073

Instrument ID: BNA_P Calibration Date/Time: 05/22/2025 10:56

Lab File ID: BP024753.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	1.135		-2.9	
Benzaldehyde	0.966	0.866		-10.4	
Phenol-d6	1.492	1.407		-5.7	
bis(2-Chloroethyl)ether	1.266	1.107		-12.6	
2,2-oxybis(1-Chloropropane)	1.516	1.312		-13.5	
Acetophenone	0.500	0.469		-6.2	
n-Nitroso-di-n-propylamine	1.032	0.896	0.050	-13.2	
Nitrobenzene-d5	0.396	0.368		-7.1	
Hexachloroethane	0.589	0.540		-8.3	
Nitrobenzene	0.348	0.318		-8.6	
Isophorone	0.687	0.607		-11.6	
bis(2-Chloroethoxy)methane	0.410	0.359		-12.4	
Naphthalene	1.036	0.988		-4.6	
4-Chloroaniline	0.418	0.411		-1.7	
Hexachlorobutadiene	0.213	0.212		-0.5	20.0
Caprolactam	0.106	0.100		-5.7	
2-Methylnaphthalene	0.671	0.616		-8.2	
Hexachlorocyclopentadiene	0.352	0.359	0.050	2.0	
2-Fluorobiphenyl	1.527	1.502		-1.6	
1,1-Biphenyl	1.478	1.437		-2.8	
2-Chloronaphthalene	1.127	1.094		-2.9	
2-Nitroaniline	0.334	0.312		-6.6	
Dimethylphthalate	1.524	1.422		-6.7	
Acenaphthylene	1.886	1.818		-3.6	
2,6-Dinitrotoluene	0.322	0.308		-4.3	
3-Nitroaniline	0.329	0.327		-0.6	
Acenaphthene	1.084	1.055		-2.7	20.0
Dibenzofuran	1.730	1.664		-3.8	
2,4-Dinitrotoluene	0.454	0.458		0.9	
Diethylphthalate	1.541	1.446		-6.2	
4-Chlorophenyl-phenylether	0.703	0.681		-3.1	
Fluorene	1.410	1.365		-3.2	
4-Nitroaniline	0.317	0.336		6.0	
n-Nitrosodiphenylamine	0.614	0.595		-3.1	20.0
2,4,6-Tribromophenol	0.339	0.364		7.4	
4-Bromophenyl-phenylether	0.236	0.237		0.4	
Hexachlorobenzene	0.299	0.301		0.7	
Atrazine	0.225	0.226		0.4	
Phenanthrene	1.112	1.056		-5.0	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Anthracene	1.119	1.093		-2.3	
Carbazole	1.012	1.003		-0.9	
Di-n-butylphthalate	1.302	1.275		-2.1	
Fluoranthene	1.300	1.270		-2.3	20.0
Pyrene	1.198	1.114		-7.0	
Terphenyl-d14	1.166	1.110		-4.8	
Butylbenzylphthalate	0.533	0.521		-2.3	
3,3-Dichlorobenzidine	0.466	0.502		7.7	
Benzo(a)anthracene	1.256	1.196		-4.8	
Chrysene	1.190	1.132		-4.9	
Bis(2-ethylhexyl)phthalate	0.783	0.768		-1.9	
Di-n-octyl phthalate	1.281	1.324		3.4	20.0
Benzo(b)fluoranthene	1.145	1.090		-4.8	
Benzo(k)fluoranthene	1.180	1.078		-8.6	
Benzo(a)pyrene	1.099	1.059		-3.6	20.0
Indeno(1,2,3-cd)pyrene	1.460	1.467		0.5	
Dibenzo(a,h)anthracene	1.188	1.197		0.8	
Benzo(g,h,i)perylene	1.181	1.175		-0.5	
1,2,4,5-Tetrachlorobenzene	0.581	0.581		0.0	
1,4-Dioxane	0.549	0.459		-16.4	20.0

All other compounds must meet a minimum RRF of 0.010.