284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

Instrument ID: BNA_F Calibration Date/Time: 03/13/2025 21:09

Lab File ID: BF141953.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.136		-5.2	50.0
Benzaldehyde	0.853	0.811		-4.9	50.0
Phenol-d6	1.526	1.422		-6.8	50.0
Phenol	1.605	1.483		-7.6	50.0
bis(2-Chloroethyl)ether	1.205	1.114		-7.6	50.0
2-Chlorophenol	1.329	1.247		-6.2	50.0
2-Methylphenol	1.057	0.989		-6.4	50.0
2,2-oxybis(1-Chloropropane)	1.455	1.252		-14.0	50.0
Acetophenone	0.479	0.447		-6.7	50.0
3+4-Methylphenols	1.354	1.231		-9.1	50.0
n-Nitroso-di-n-propylamine	0.980	0.857	0.050	-12.6	50.0
Nitrobenzene-d5	0.355	0.345		-2.8	50.0
Hexachloroethane	0.544	0.512		-5.9	50.0
Nitrobenzene	0.353	0.342		-3.1	50.0
Isophorone	0.628	0.577		-8.1	50.0
2-Nitrophenol	0.173	0.178		2.9	50.0
2,4-Dimethylphenol	0.239	0.225		-5.9	50.0
bis(2-Chloroethoxy)methane	0.394	0.364		-7.6	50.0
2,4-Dichlorophenol	0.296	0.286		-3.4	50.0
Naphthalene	1.027	0.970		-5.6	50.0
4-Chloroaniline	0.363	0.330		-9.1	50.0
Hexachlorobutadiene	0.213	0.209		-1.9	50.0
Caprolactam	0.090	0.081		-10.0	50.0
4-Chloro-3-methylphenol	0.331	0.304		-8.2	50.0
2-Methylnaphthalene	0.687	0.645		-6.1	50.0
Hexachlorocyclopentadiene	0.238	0.213	0.050	-10.5	50.0
2,4,6-Trichlorophenol	0.398	0.383		-3.8	50.0
2-Fluorobiphenyl	1.315	1.275		-3.0	50.0
2,4,5-Trichlorophenol	0.403	0.398		-1.2	50.0
1,1-Biphenyl	1.520	1.467		-3.5	50.0
2-Chloronaphthalene	1.133	1.089		-3.9	50.0
2-Nitroaniline	0.328	0.311		-5.2	50.0
Dimethylphthalate	1.401	1.310		-6.5	50.0
Acenaphthylene	1.681	1.594		-5.2	50.0
2,6-Dinitrotoluene	0.292	0.282		-3.4	50.0
3-Nitroaniline	0.296	0.273		-7.8	50.0
Acenaphthene	1.181	1.117		-5.4	50.0
2,4-Dinitrophenol	0.139	0.124	0.050	-10.8	50.0
4-Nitrophenol	0.223	0.208	0.050	-6.7	50.0

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.688	1.577		-6.6	50.0
2,4-Dinitrotoluene	0.381	0.364		-4.5	50.0
Diethylphthalate	1.397	1.298		-7.1	50.0
4-Chlorophenyl-phenylether	0.679	0.639		-5.9	50.0
Fluorene	1.302	1.205		-7.4	50.0
4-Nitroaniline	0.288	0.265		-8.0	50.0
4,6-Dinitro-2-methylphenol	0.119	0.115		-3.4	50.0
n-Nitrosodiphenylamine	0.647	0.639		-1.2	50.0
2,4,6-Tribromophenol	0.254	0.243		-4.3	50.0
4-Bromophenyl-phenylether	0.251	0.253		0.8	50.0
Hexachlorobenzene	0.275	0.274		-0.4	50.0
Atrazine	0.198	0.161		-18.7	50.0
Pentachlorophenol	0.170	0.168		-1.2	50.0
Phenanthrene	1.080	1.024		-5.2	50.0
Anthracene	1.084	1.029		-5.1	50.0
Carbazole	0.935	0.858		-8.2	50.0
Di-n-butylphthalate	1.240	1.189		-4.1	50.0
Fluoranthene	1.146	0.973		-15.1	50.0
Pyrene	1.730	1.587		-8.3	50.0
Terphenyl-d14	1.353	1.269		-6.2	50.0
Butylbenzylphthalate	0.677	0.638		-5.8	50.0
3,3-Dichlorobenzidine	0.379	0.416		9.8	50.0
Benzo(a)anthracene	1.312	1.234		-5.9	50.0
Chrysene	1.190	1.160		-2.5	50.0
Bis(2-ethylhexyl)phthalate	0.934	0.882		-5.6	50.0
Di-n-octyl phthalate	1.299	1.355		4.3	50.0
Benzo(b)fluoranthene	1.371	1.194		-12.9	50.0
Benzo(k)fluoranthene	1.173	1.097		-6.5	50.0
Benzo(a)pyrene	1.073	1.017		-5.2	50.0
Indeno(1,2,3-cd)pyrene	1.294	1.148		-11.3	50.0
Dibenzo(a,h)anthracene	1.067	0.969		-9.2	50.0
Benzo(g,h,i)perylene	1.055	0.897		-15.0	50.0
1,2,4,5-Tetrachlorobenzene	0.609	0.605		-0.7	50.0
1,4-Dioxane	0.502	0.488		-2.8	50.0
2,3,4,6-Tetrachlorophenol	0.367	0.351		-4.4	50.0

All other compounds must meet a minimum RRF of 0.010.