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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG No.: Q1502

Instrument ID: BNA_P Calibration Date/Time: 03/13/2025 10:22

Lab File ID: BP024171.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.454	0.448		-1.3	
Pyridine	1.358	1.322		-2.7	
2-Fluorophenol	1.253	1.221		-2.6	
Aniline	1.527	1.505		-1.4	
Phenol-d6	1.675	1.634		-2.4	
bis(2-Chloroethyl)ether	1.334	1.276		-4.3	
1,2-Dichlorobenzene	1.430	1.361		-4.8	
1,3-Dichlorobenzene	1.459	1.398		-4.2	
1,4-Dichlorobenzene	1.490	1.417		-4.9	20.0
Benzyl Alcohol	1.061	1.046		-1.4	
2,2-oxybis(1-Chloropropane)	1.361	1.340		-1.5	
n-Nitroso-di-n-propylamine	0.972	0.976	0.050	0.4	
Nitrobenzene-d5	0.354	0.352		-0.6	
Hexachloroethane	0.529	0.506		-4.3	
Nitrobenzene	0.350	0.346		-1.1	
Isophorone	0.608	0.608		0.0	
bis(2-Chloroethoxy)methane	0.427	0.420		-1.6	
1,2,4-Trichlorobenzene	0.321	0.309		-3.7	
Naphthalene	1.060	1.035		-2.4	
4-Chloroaniline	0.379	0.386		1.8	
Hexachlorobutadiene	0.185	0.176		-4.9	20.0
2-Methylnaphthalene	0.716	0.697		-2.7	
Hexachlorocyclopentadiene	0.208	0.205	0.050	-1.4	
2-Fluorobiphenyl	1.356	1.335		-1.5	
2-Chloronaphthalene	1.130	1.110		-1.8	
2-Nitroaniline	0.289	0.305		5.5	
Dimethylphthalate	1.399	1.386		-0.9	
Acenaphthylene	1.710	1.717		0.4	
2,6-Dinitrotoluene	0.294	0.300		2.0	
3-Nitroaniline	0.318	0.332		4.4	
Acenaphthene	1.093	1.078		-1.4	20.0
2,4-Dinitrotoluene	0.389	0.406		4.4	
Diethylphthalate	1.394	1.414		1.4	
4-Chlorophenyl-phenylether	0.676	0.672		-0.6	
Fluorene	1.379	1.383		0.3	
4-Nitroaniline	0.334	0.359		7.5	
n-Nitrosodiphenylamine	0.607	0.595		-2.0	20.0
2,4,6-Tribromophenol	0.252	0.256		1.6	
4-Bromophenyl-phenylether	0.220	0.213		-3.2	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Hexachlorobenzene	0.260	0.254		-2.3	
Phenanthrene	1.093	1.066		-2.5	
Anthracene	1.064	1.052		-1.1	
Carbazole	1.026	1.039		1.3	
Di-n-butylphthalate	1.218	1.234		1.3	
Fluoranthene	1.265	1.258		-0.6	20.0
Benzidine	0.219	0.311		42.0	
Pyrene	1.243	1.211		-2.6	
Terphenyl-d14	0.969	0.947		-2.3	
Butylbenzylphthalate	0.513	0.515		0.4	
3,3-Dichlorobenzidine	0.417	0.427		2.4	
Benzo(a)anthracene	1.243	1.222		-1.7	
Chrysene	1.195	1.155		-3.3	
Bis(2-ethylhexyl)phthalate	0.774	0.778		0.5	
Di-n-octyl phthalate	1.240	1.255		1.2	20.0
Benzo(b)fluoranthene	1.206	1.178		-2.3	
Benzo(k)fluoranthene	1.180	1.155		-2.1	
Benzo(a)pyrene	1.049	1.024		-2.4	20.0
Indeno(1,2,3-cd)pyrene	1.396	1.363		-2.4	
Dibenzo(a,h)anthracene	1.161	1.147		-1.2	
Benzo(g,h,i)perylene	1.180	1.147		-2.8	
1,2,4,5-Tetrachlorobenzene	0.578	0.561		-2.9	
1,4-Dioxane	0.497	0.482		-3.0	20.0
1-Methylnaphthalene	0.697	0.687		-1.4	

All other compounds must meet a minimum RRF of 0.010.