



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: 01232 SAS No.: 01232 SDG No.: 01232

Instrument ID: BNA_P Calibration Date/Time: 01/24/2023 09:53

Lab File ID: BP013562.D Init. Calib. Date(s): 01/23/2023 01/23/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:25 16:01

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.167	1.219		4.5	
Benzaldehyde	0.995	0.927		-6.8	
Phenol-d6	1.571	1.646		4.8	
Phenol	1.628	1.701		4.5	20.0
bis(2-Chloroethyl) ether	1.331	1.374		3.2	
2-Chlorophenol	1.288	1.368		6.2	
2-Methylphenol	1.182	1.237		4.7	
2,2-oxybis(1-Chloropropane)	1.822	1.854		1.8	
Acetophenone	0.513	0.525		2.3	
3+4-Methylphenols	1.556	1.667		7.1	
n-Nitroso-di-n-propylamine	1.012	1.069	0.050	5.6	
Nitrobenzene-d5	0.303	0.350		15.5	
Hexachloroethane	0.483	0.515		6.6	
Nitrobenzene	0.326	0.367		12.6	
Isophorone	0.719	0.734		2.1	
2-Nitrophenol	0.094	0.137		45.7	20.0
2,4-Dimethylphenol	0.310	0.328		5.8	
bis(2-Chloroethoxy) methane	0.433	0.453		4.6	
2,4-Dichlorophenol	0.285	0.313		9.8	20.0
Naphthalene	1.075	1.106		2.9	
4-Chloroaniline	0.476	0.496		4.2	
Hexachlorobutadiene	0.189	0.195		3.2	20.0
Caprolactam	0.093	0.108		16.1	
4-Chloro-3-methylphenol	0.311	0.343		10.3	20.0
2-Methylnaphthalene	0.764	0.801		4.8	
Hexachlorocyclopentadiene	0.290	0.314	0.050	8.3	
2,4,6-Trichlorophenol	0.360	0.398		10.6	20.0
2-Fluorobiphenyl	1.457	1.460		0.2	
2,4,5-Trichlorophenol	0.426	0.479		12.4	
1,1-Biphenyl	1.606	1.621		0.9	
2-Chloronaphthalene	1.203	1.208		0.4	
2-Nitroaniline	0.241	0.333		38.2	
Dimethylphthalate	1.487	1.591		7.0	
Acenaphthylene	1.968	2.011		2.2	
2,6-Dinitrotoluene	0.240	0.324		35.0	
3-Nitroaniline	0.275	0.365		32.7	
Acenaphthene	1.216	1.264		3.9	20.0
2,4-Dinitrophenol	0.058	0.106	0.050	82.8	
4-Nitrophenol	0.212	0.283	0.050	33.5	
Dibenzofuran	1.864	1.911		2.5	
2,4-Dinitrotoluene	0.266	0.423		59.0	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.452	1.590		9.5	
4-Chlorophenyl-phenylether	0.729	0.759		4.1	
Fluorene	1.482	1.533		3.4	
4-Nitroaniline	0.265	0.372		40.4	
4,6-Dinitro-2-methylphenol	0.058	0.080		37.9	
n-Nitrosodiphenylamine	0.652	0.650		-0.3	20.0
2,4,6-Tribromophenol	0.201	0.225		11.9	
4-Bromophenyl-phenylether	0.222	0.207		-6.8	
Hexachlorobenzene	0.239	0.241		0.8	
Atrazine	0.187	0.211		12.8	
Pentachlorophenol	0.139	0.158		13.7	20.0
Phenanthrene	1.113	1.138		2.2	
Anthracene	1.129	1.148		1.7	
Carbazole	1.015	1.060		4.4	
Di-n-butylphthalate	1.130	1.253		10.9	
Fluoranthene	1.183	1.258		6.3	20.0
Pyrene	1.529	1.627		6.4	
Terphenyl-d14	1.112	1.205		8.4	
Butylbenzylphthalate	0.487	0.596		22.4	
3,3-Dichlorobenzidine	0.449	0.453		0.9	
Benzo(a)anthracene	1.393	1.436		3.1	
Chrysene	1.333	1.354		1.6	
Bis(2-ethylhexyl)phthalate	0.779	0.834		7.1	
Di-n-octyl phthalate	1.256	1.234		-1.8	20.0
Benzo(b)fluoranthene	1.230	1.312		6.7	
Benzo(k)fluoranthene	1.255	1.399		11.5	
Benzo(a)pyrene	1.194	1.252		4.9	20.0
Indeno(1,2,3-cd)pyrene	1.473	1.497		1.6	
Dibenzo(a,h)anthracene	1.236	1.268		2.6	
Benzo(g,h,i)perylene	1.206	1.225		1.6	
1,2,4,5-Tetrachlorobenzene	0.616	0.623		1.1	
1,4-Dioxane	0.471	0.491		4.2	20.0
2,3,4,6-Tetrachlorophenol	0.327	0.375		14.7	

All other compounds must meet a minimum RRF of 0.010.