



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG No.: 03645

Instrument ID: BNA_P Calibration Date/Time: 07/28/2023 08:03

Lab File ID: BP016411.D Init. Calib. Date(s): 07/27/2023 07/27/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:03 15:03

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.226	1.299		6.0	
Benzaldehyde	0.866	0.889		2.7	
Phenol-d6	1.680	1.786		6.3	
Phenol	1.632	1.737		6.4	20.0
bis(2-Chloroethyl) ether	1.326	1.399		5.5	
2-Chlorophenol	1.285	1.350		5.1	
2-Methylphenol	1.176	1.244		5.8	
2,2-oxybis(1-Chloropropane)	1.504	1.643		9.2	
Acetophenone	0.505	0.518		2.6	
3+4-Methylphenols	1.597	1.691		5.9	
n-Nitroso-di-n-propylamine	1.053	1.118	0.050	6.2	
Nitrobenzene-d5	0.357	0.376		5.3	
Hexachloroethane	0.499	0.519		4.0	
Nitrobenzene	0.367	0.388		5.7	
Isophorone	0.721	0.750		4.0	
2-Nitrophenol	0.141	0.153		8.5	20.0
2,4-Dimethylphenol	0.323	0.330		2.2	
bis(2-Chloroethoxy) methane	0.442	0.460		4.1	
2,4-Dichlorophenol	0.302	0.308		2.0	20.0
Naphthalene	1.046	1.055		0.9	
4-Chloroaniline	0.472	0.480		1.7	
Hexachlorobutadiene	0.194	0.182		-6.2	20.0
Caprolactam	0.110	0.112		1.8	
4-Chloro-3-methylphenol	0.336	0.346		3.0	20.0
2-Methylnaphthalene	0.760	0.762		0.3	
Hexachlorocyclopentadiene	0.305	0.309	0.050	1.3	
2,4,6-Trichlorophenol	0.390	0.402		3.1	20.0
2-Fluorobiphenyl	1.395	1.387		-0.6	
2,4,5-Trichlorophenol	0.473	0.484		2.3	
1,1-Biphenyl	1.525	1.551		1.7	
2-Chloronaphthalene	1.150	1.171		1.8	
2-Nitroaniline	0.324	0.366		13.0	
Dimethylphthalate	1.559	1.562		0.2	
Acenaphthylene	1.908	1.958		2.6	
2,6-Dinitrotoluene	0.319	0.335		5.0	
3-Nitroaniline	0.361	0.387		7.2	
Acenaphthene	1.135	1.159		2.1	20.0
2,4-Dinitrophenol	0.121	0.124	0.050	2.5	
4-Nitrophenol	0.283	0.301	0.050	6.4	
Dibenzofuran	1.861	1.866		0.3	
2,4-Dinitrotoluene	0.416	0.449		7.9	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.549	1.566		1.1	
4-Chlorophenyl-phenylether	0.738	0.714		-3.3	
Fluorene	1.462	1.453		-0.6	
4-Nitroaniline	0.358	0.379		5.9	
4,6-Dinitro-2-methylphenol	0.084	0.092		9.5	
n-Nitrosodiphenylamine	0.589	0.616		4.6	20.0
2,4,6-Tribromophenol	0.294	0.259		-11.9	
4-Bromophenyl-phenylether	0.212	0.211		-0.5	
Hexachlorobenzene	0.236	0.226		-4.2	
Atrazine	0.175	0.179		2.3	
Pentachlorophenol	0.163	0.159		-2.5	20.0
Phenanthrene	1.062	1.076		1.3	
Anthracene	1.068	1.096		2.6	
Carbazole	1.001	1.026		2.5	
Di-n-butylphthalate	1.158	1.238		6.9	
Fluoranthene	1.245	1.231		-1.1	20.0
Pyrene	1.341	1.487		10.9	
Terphenyl-d14	0.947	1.013		7.0	
Butylbenzylphthalate	0.527	0.619		17.5	
3,3-Dichlorobenzidine	0.441	0.458		3.9	
Benzo(a)anthracene	1.342	1.394		3.9	
Chrysene	1.281	1.312		2.4	
Bis(2-ethylhexyl)phthalate	0.791	0.901		13.9	
Di-n-octyl phthalate	1.330	1.443		8.5	20.0
Benzo(b)fluoranthene	1.159	1.283		10.7	
Benzo(k)fluoranthene	1.179	1.279		8.5	
Benzo(a)pyrene	1.123	1.187		5.7	20.0
Indeno(1,2,3-cd)pyrene	1.348	1.237		-8.2	
Dibenzo(a,h)anthracene	1.124	1.048		-6.8	
Benzo(g,h,i)perylene	1.084	0.980		-9.6	
1,2,4,5-Tetrachlorobenzene	0.608	0.595		-2.1	
1,4-Dioxane	0.478	0.507		6.1	20.0
2,3,4,6-Tetrachlorophenol	0.389	0.380		-2.3	

All other compounds must meet a minimum RRF of 0.010.