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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG No.: Q2413

Instrument ID: BNA_F Calibration Date/Time: 06/27/2025 09:51

Lab File ID: BF142882.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.268		5.6	
Benzaldehyde	0.841	0.751		-10.7	
Phenol-d6	1.417	1.473		4.0	
Phenol	1.575	1.619		2.8	20.0
bis(2-Chloroethyl)ether	1.126	1.162		3.2	
2-Chlorophenol	1.296	1.373		5.9	
2-Methylphenol	0.982	1.026		4.5	
2,2-oxybis(1-Chloropropane)	1.809	1.791		-1.0	
Acetophenone	0.441	0.458		3.9	
3+4-Methylphenols	1.224	1.279		4.5	
n-Nitroso-di-n-propylamine	0.824	0.862	0.050	4.6	
Nitrobenzene-d5	0.365	0.451		23.6	
Hexachloroethane	0.511	0.545		6.7	
Nitrobenzene	0.330	0.342		3.6	
Isophorone	0.585	0.610		4.3	
2-Nitrophenol	0.180	0.196		8.9	20.0
2,4-Dimethylphenol	0.311	0.329		5.8	
bis(2-Chloroethoxy)methane	0.372	0.388		4.3	
2,4-Dichlorophenol	0.282	0.296		5.0	20.0
Naphthalene	0.979	1.021		4.3	
4-Chloroaniline	0.398	0.419		5.3	
Hexachlorobutadiene	0.190	0.197		3.7	20.0
Caprolactam	0.075	0.086		14.7	
4-Chloro-3-methylphenol	0.281	0.297		5.7	20.0
2-Methylnaphthalene	0.607	0.630		3.8	
Hexachlorocyclopentadiene	0.335	0.307	0.050	-8.4	
2,4,6-Trichlorophenol	0.385	0.393		2.1	20.0
2-Fluorobiphenyl	1.522	1.783		17.1	
2,4,5-Trichlorophenol	0.405	0.419		3.5	
1,1-Biphenyl	1.580	1.619		2.5	
2-Chloronaphthalene	1.186	1.205		1.6	
2-Nitroaniline	0.332	0.350		5.4	
Dimethylphthalate	1.295	1.378		6.4	
Acenaphthylene	1.952	2.007		2.8	
2,6-Dinitrotoluene	0.284	0.300		5.6	
3-Nitroaniline	0.313	0.334		6.7	
Acenaphthene	1.191	1.235		3.7	20.0
2,4-Dinitrophenol	0.142	0.145	0.050	2.1	
4-Nitrophenol	0.214	0.216	0.050	0.9	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.749		2.4	
2,4-Dinitrotoluene	0.378	0.410		8.5	
Diethylphthalate	1.269	1.368		7.8	
4-Chlorophenyl-phenylether	0.636	0.666		4.7	
Fluorene	1.334	1.383		3.7	
4-Nitroaniline	0.286	0.323		12.9	
4,6-Dinitro-2-methylphenol	0.121	0.130		7.4	
n-Nitrosodiphenylamine	0.693	0.709		2.3	20.0
2,4,6-Tribromophenol	0.206	0.217		5.3	
4-Bromophenyl-phenylether	0.228	0.236		3.5	
Hexachlorobenzene	0.253	0.258		2.0	
Atrazine	0.179	0.204		14.0	
Pentachlorophenol	0.126	0.126		0.0	20.0
Phenanthrene	1.083	1.105		2.0	
Anthracene	1.111	1.136		2.3	
Carbazole	0.959	1.002		4.5	
Di-n-butylphthalate	0.999	1.136		13.7	
Fluoranthene	1.028	1.075		4.6	20.0
Pyrene	1.875	1.800		-4.0	
Terphenyl-d14	1.447	1.565		8.2	
Butylbenzylphthalate	0.544	0.620		14.0	
3,3-Dichlorobenzidine	0.438	0.468		6.8	
Benzo(a)anthracene	1.349	1.390		3.0	
Chrysene	1.204	1.236		2.7	
Bis(2-ethylhexyl)phthalate	0.782	0.880		12.5	
Di-n-octyl phthalate	1.475	1.541		4.5	20.0
Benzo(b)fluoranthene	1.157	1.220		5.4	
Benzo(k)fluoranthene	1.083	1.142		5.4	
Benzo(a)pyrene	1.118	1.169		4.6	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.469		-3.5	
Dibenzo(a,h)anthracene	1.238	1.198		-3.2	
Benzo(g,h,i)perylene	1.234	1.183		-4.1	
1,2,4,5-Tetrachlorobenzene	0.590	0.606		2.7	
1,4-Dioxane	0.480	0.483		0.6	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.340		4.3	

All other compounds must meet a minimum RRF of 0.010.