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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3552

Instrument ID: BNA_F Calibration Date/Time: 11/06/2025 11:13

Lab File ID: BF144180.D Init. Calib. Date(s): 11/05/2025 11/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:50 16:49

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.335		4.5	
Benzaldehyde	0.818	0.829		1.3	
Phenol-d6	1.448	1.506		4.0	
Phenol	1.769	1.823		3.1	20.0
bis(2-Chloroethyl)ether	1.289	1.333		3.4	
2-Chlorophenol	1.253	1.297		3.5	
2-Methylphenol	0.997	1.048		5.1	
2,2-oxybis(1-Chloropropane)	2.374	2.494		5.1	
Acetophenone	0.429	0.431		0.5	
3+4-Methylphenols	1.175	1.214		3.3	
n-Nitroso-di-n-propylamine	0.953	0.973	0.050	2.1	
Nitrobenzene-d5	0.346	0.359		3.8	
Hexachloroethane	0.515	0.548		6.4	
Nitrobenzene	0.376	0.386		2.7	
Isophorone	0.655	0.683		4.3	
2-Nitrophenol	0.186	0.194		4.3	20.0
2,4-Dimethylphenol	0.279	0.293		5.0	
bis(2-Chloroethoxy)methane	0.409	0.423		3.4	
2,4-Dichlorophenol	0.322	0.325		0.9	20.0
Naphthalene	0.951	0.951		0.0	
4-Chloroaniline	0.347	0.362		4.3	
Hexachlorobutadiene	0.249	0.252		1.2	20.0
Caprolactam	0.088	0.095		8.0	
4-Chloro-3-methylphenol	0.288	0.303		5.2	20.0
2-Methylnaphthalene	0.636	0.646		1.6	
Hexachlorocyclopentadiene	0.195	0.199	0.050	2.1	
2,4,6-Trichlorophenol	0.446	0.434		-2.7	20.0
2-Fluorobiphenyl	1.354	1.280		-5.5	
2,4,5-Trichlorophenol	0.481	0.477		-0.8	
1,1-Biphenyl	1.396	1.364		-2.3	
2-Chloronaphthalene	1.191	1.154		-3.1	
2-Nitroaniline	0.344	0.363		5.5	
Dimethylphthalate	1.325	1.342		1.3	
Acenaphthylene	1.623	1.621		-0.1	
2,6-Dinitrotoluene	0.268	0.284		6.0	
3-Nitroaniline	0.293	0.312		6.5	
Acenaphthene	1.085	1.054		-2.9	20.0
2,4-Dinitrophenol	0.162	0.146	0.050	-9.9	
4-Nitrophenol	0.212	0.221	0.050	4.2	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.520	1.505		-1.0	
2,4-Dinitrotoluene	0.359	0.389		8.4	
Diethylphthalate	1.221	1.265		3.6	
4-Chlorophenyl-phenylether	0.658	0.676		2.7	
Fluorene	1.156	1.160		0.3	
4-Nitroaniline	0.279	0.303		8.6	
4,6-Dinitro-2-methylphenol	0.136	0.135		-0.7	
n-Nitrosodiphenylamine	0.643	0.649		0.9	20.0
2,4,6-Tribromophenol	0.251	0.266		6.0	
4-Bromophenyl-phenylether	0.255	0.263		3.1	
Hexachlorobenzene	0.301	0.313		4.0	
Atrazine	0.205	0.207		1.0	
Pentachlorophenol	0.150	0.157		4.7	20.0
Phenanthrene	0.996	1.023		2.7	
Anthracene	1.013	1.026		1.3	
Carbazole	0.861	0.882		2.4	
Di-n-butylphthalate	1.041	1.100		5.7	
Fluoranthene	1.029	1.076		4.6	20.0
Pyrene	1.613	1.763		9.3	
Terphenyl-d14	1.259	1.373		9.1	
Butylbenzylphthalate	0.559	0.622		11.3	
3,3-Dichlorobenzidine	0.475	0.470		-1.1	
Benzo(a)anthracene	1.386	1.411		1.8	
Chrysene	1.280	1.333		4.1	
Bis(2-ethylhexyl)phthalate	0.765	0.798		4.3	
Di-n-octyl phthalate	1.320	1.296		-1.8	20.0
Benzo(b)fluoranthene	1.137	1.113		-2.1	
Benzo(k)fluoranthene	1.064	1.156		8.6	
Benzo(a)pyrene	1.049	1.084		3.3	20.0
Indeno(1,2,3-cd)pyrene	1.436	1.493		4.0	
Dibenzo(a,h)anthracene	1.153	1.196		3.7	
Benzo(g,h,i)perylene	1.139	1.197		5.1	
1,2,4,5-Tetrachlorobenzene	0.655	0.655		0.0	
1,4-Dioxane	0.528	0.558		5.7	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.347		2.1	

All other compounds must meet a minimum RRF of 0.010.