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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG No.: Q3178

Instrument ID: BNA_F Calibration Date/Time: 09/25/2025 13:06

Lab File ID: BF143802.D Init. Calib. Date(s): 09/23/2025 09/23/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:28 15:27

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.231	1.258		2.2	
Benzaldehyde	1.246	1.088		-12.7	
Phenol-d6	1.422	1.376		-3.2	
Phenol	1.653	1.558		-5.7	20.0
bis(2-Chloroethyl)ether	1.296	1.243		-4.1	
2-Chlorophenol	1.260	1.260		0.0	
2-Methylphenol	0.976	0.913		-6.5	
2,2-oxybis(1-Chloropropane)	3.073	2.801		-8.9	
Acetophenone	0.439	0.443		0.9	
3+4-Methylphenols	1.185	1.115		-5.9	
n-Nitroso-di-n-propylamine	0.915	0.782	0.050	-14.5	
Nitrobenzene-d5	0.327	0.344		5.2	
Hexachloroethane	0.514	0.521		1.4	
Nitrobenzene	0.362	0.378		4.4	
Isophorone	0.637	0.603		-5.3	
2-Nitrophenol	0.132	0.146		10.6	20.0
2,4-Dimethylphenol	0.285	0.277		-2.8	
bis(2-Chloroethoxy)methane	0.414	0.395		-4.6	
2,4-Dichlorophenol	0.280	0.281		0.4	20.0
Naphthalene	0.957	0.981		2.5	
4-Chloroaniline	0.336	0.325		-3.3	
Hexachlorobutadiene	0.217	0.226		4.1	20.0
Caprolactam	0.072	0.066		-8.3	
4-Chloro-3-methylphenol	0.263	0.247		-6.1	20.0
2-Methylnaphthalene	0.611	0.595		-2.6	
Hexachlorocyclopentadiene	0.383	0.408	0.050	6.5	
2,4,6-Trichlorophenol	0.378	0.418		10.6	20.0
2-Fluorobiphenyl	1.282	1.393		8.7	
2,4,5-Trichlorophenol	0.395	0.403		2.0	
1,1-Biphenyl	1.448	1.524		5.2	
2-Chloronaphthalene	1.165	1.233		5.8	
2-Nitroaniline	0.352	0.387		9.9	
Dimethylphthalate	1.219	1.236		1.4	
Acenaphthylene	1.604	1.679		4.7	
2,6-Dinitrotoluene	0.200	0.216		8.0	
3-Nitroaniline	0.243	0.269		10.7	
Acenaphthene	1.056	1.080		2.3	20.0
2,4-Dinitrophenol	0.064	0.055	0.050	-14.1	
4-Nitrophenol	0.196	0.194	0.050	-1.0	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.493	1.563		4.7	
2,4-Dinitrotoluene	0.261	0.284		8.8	
Diethylphthalate	1.141	1.135		-0.5	
4-Chlorophenyl-phenylether	0.566	0.574		1.4	
Fluorene	1.110	1.133		2.1	
4-Nitroaniline	0.228	0.238		4.4	
4,6-Dinitro-2-methylphenol	0.067	0.064		-4.5	
n-Nitrosodiphenylamine	0.658	0.695		5.6	20.0
2,4,6-Tribromophenol	0.296	0.324		9.5	
4-Bromophenyl-phenylether	0.341	0.362		6.2	
Hexachlorobenzene	0.470	0.502		6.8	
Atrazine	0.190	0.199		4.7	
Pentachlorophenol	0.234	0.250		6.8	20.0
Phenanthrene	1.027	1.090		6.1	
Anthracene	1.030	1.081		5.0	
Carbazole	0.901	0.964		7.0	
Di-n-butylphthalate	1.036	1.140		10.0	
Fluoranthene	1.033	1.115		7.9	20.0
Pyrene	0.983	1.009		2.6	
Terphenyl-d14	0.983	1.053		7.1	
Butylbenzylphthalate	0.340	0.368		8.2	
3,3-Dichlorobenzidine	0.465	0.465		0.0	
Benzo(a)anthracene	1.074	1.093		1.8	
Chrysene	0.972	1.030		6.0	
Bis(2-ethylhexyl)phthalate	0.499	0.540		8.2	
Di-n-octyl phthalate	0.905	0.923		2.0	20.0
Benzo(b)fluoranthene	1.019	1.038		2.0	
Benzo(k)fluoranthene	1.023	0.941		-8.0	
Benzo(a)pyrene	0.957	1.005		5.0	20.0
Indeno(1,2,3-cd)pyrene	1.517	1.634		7.7	
Dibenzo(a,h)anthracene	1.241	1.343		8.2	
Benzo(g,h,i)perylene	1.196	1.287		7.6	
1,2,4,5-Tetrachlorobenzene	0.604	0.655		8.4	
1,4-Dioxane	0.589	0.655		11.2	20.0
2,3,4,6-Tetrachlorophenol	0.339	0.367		8.3	

All other compounds must meet a minimum RRF of 0.010.