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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2815

Instrument ID: BNA_P Calibration Date/Time: 08/15/2025 21:03

Lab File ID: BP025436.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.297		7.7	50.0
Benzaldehyde	1.082	1.315		21.5	50.0
Phenol-d6	1.544	1.709		10.7	50.0
Phenol	1.620	1.777		9.7	50.0
bis(2-Chloroethyl)ether	1.263	1.365		8.1	50.0
2-Chlorophenol	1.359	1.491		9.7	50.0
2-Methylphenol	1.125	1.247		10.8	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.910		12.9	50.0
Acetophenone	0.502	0.537		7.0	50.0
3+4-Methylphenols	1.560	1.699		8.9	50.0
n-Nitroso-di-n-propylamine	1.023	1.110	0.050	8.5	50.0
Nitrobenzene-d5	0.395	0.431		9.1	50.0
Hexachloroethane	0.563	0.621		10.3	50.0
Nitrobenzene	0.353	0.388		9.9	50.0
Isophorone	0.700	0.727		3.9	50.0
2-Nitrophenol	0.181	0.199		9.9	50.0
2,4-Dimethylphenol	0.312	0.339		8.7	50.0
bis(2-Chloroethoxy)methane	0.423	0.448		5.9	50.0
2,4-Dichlorophenol	0.310	0.343		10.6	50.0
Naphthalene	1.040	1.097		5.5	50.0
4-Chloroaniline	0.459	0.488		6.3	50.0
Hexachlorobutadiene	0.211	0.230		9.0	50.0
Caprolactam	0.114	0.118		3.5	50.0
4-Chloro-3-methylphenol	0.355	0.379		6.8	50.0
2-Methylnaphthalene	0.676	0.710		5.0	50.0
Hexachlorocyclopentadiene	0.349	0.323	0.050	-7.4	50.0
2,4,6-Trichlorophenol	0.390	0.436		11.8	50.0
2-Fluorobiphenyl	1.463	1.527		4.4	50.0
2,4,5-Trichlorophenol	0.427	0.482		12.9	50.0
1,1-Biphenyl	1.453	1.590		9.4	50.0
2-Chloronaphthalene	1.131	1.227		8.5	50.0
2-Nitroaniline	0.329	0.382		16.1	50.0
Dimethylphthalate	1.465	1.593		8.7	50.0
Acenaphthylene	1.871	2.004		7.1	50.0
2,6-Dinitrotoluene	0.309	0.349		12.9	50.0
3-Nitroaniline	0.347	0.390		12.4	50.0
Acenaphthene	1.098	1.169		6.5	50.0
2,4-Dinitrophenol	0.165	0.134	0.050	-18.8	50.0
4-Nitrophenol	0.285	0.324	0.050	13.7	50.0

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.849		6.5	50.0
2,4-Dinitrotoluene	0.440	0.498		13.2	50.0
Diethylphthalate	1.488	1.607		8.0	50.0
4-Chlorophenyl-phenylether	0.681	0.703		3.2	50.0
Fluorene	1.370	1.410		2.9	50.0
4-Nitroaniline	0.356	0.384		7.9	50.0
4,6-Dinitro-2-methylphenol	0.125	0.110		-12.0	50.0
n-Nitrosodiphenylamine	0.610	0.659		8.0	50.0
2,4,6-Tribromophenol	0.269	0.298		10.8	50.0
4-Bromophenyl-phenylether	0.220	0.242		10.0	50.0
Hexachlorobenzene	0.255	0.272		6.7	50.0
Atrazine	0.228	0.250		9.6	50.0
Pentachlorophenol	0.161	0.178		10.6	50.0
Phenanthrene	1.099	1.162		5.7	50.0
Anthracene	1.122	1.203		7.2	50.0
Carbazole	1.057	1.128		6.7	50.0
Di-n-butylphthalate	1.300	1.420		9.2	50.0
Fluoranthene	1.311	1.374		4.8	50.0
Pyrene	1.300	1.403		7.9	50.0
Terphenyl-d14	1.093	1.170		7.0	50.0
Butylbenzylphthalate	0.589	0.673		14.3	50.0
3,3-Dichlorobenzidine	0.497	0.550		10.7	50.0
Benzo(a)anthracene	1.319	1.407		6.7	50.0
Chrysene	1.235	1.321		7.0	50.0
Bis(2-ethylhexyl)phthalate	0.867	0.965		11.3	50.0
Di-n-octyl phthalate	1.492	1.681		12.7	50.0
Benzo(b)fluoranthene	1.179	1.283		8.8	50.0
Benzo(k)fluoranthene	1.180	1.265		7.2	50.0
Benzo(a)pyrene	1.148	1.241		8.1	50.0
Indeno(1,2,3-cd)pyrene	1.467	1.559		6.3	50.0
Dibenzo(a,h)anthracene	1.199	1.285		7.2	50.0
Benzo(g,h,i)perylene	1.178	1.259		6.9	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.633		9.5	50.0
1,4-Dioxane	0.472	0.484		2.5	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.417		10.6	50.0

All other compounds must meet a minimum RRF of 0.010.