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.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/14/2025 20:51

Lab File ID: BP025403.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	1.311		8.9	50.0
Benzaldehyde	1.082	1.303		20.4	50.0
Phenol-d6	1.544	1.737		12.5	50.0
Phenol	1.620	1.818		12.2	50.0
bis(2-Chloroethyl)ether	1.263	1.389		10.0	50.0
2-Chlorophenol	1.359	1.500		10.4	50.0
2-Methylphenol	1.125	1.291		14.8	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.858		9.8	50.0
Acetophenone	0.502	0.535		6.6	50.0
3+4-Methylphenols	1.560	1.775		13.8	50.0
n-Nitroso-di-n-propylamine	1.023	1.147	0.050	12.1	50.0
Nitrobenzene-d5	0.395	0.428		8.4	50.0
Hexachloroethane	0.563	0.605		7.5	50.0
Nitrobenzene	0.353	0.380		7.6	50.0
Isophorone	0.700	0.756		8.0	50.0
2-Nitrophenol	0.181	0.200		10.5	50.0
2,4-Dimethylphenol	0.312	0.342		9.6	50.0
bis(2-Chloroethoxy)methane	0.423	0.448		5.9	50.0
2,4-Dichlorophenol	0.310	0.338		8.7	50.0
Naphthalene	1.040	1.102		6.0	50.0
4-Chloroaniline	0.459	0.503		9.6	50.0
Hexachlorobutadiene	0.211	0.220		4.3	50.0
Caprolactam	0.114	0.126		10.5	50.0
4-Chloro-3-methylphenol	0.355	0.397		11.8	50.0
2-Methylnaphthalene	0.676	0.720		6.5	50.0
Hexachlorocyclopentadiene	0.349	0.394	0.050	12.9	50.0
2,4,6-Trichlorophenol	0.390	0.433		11.0	50.0
2-Fluorobiphenyl	1.463	1.530		4.6	50.0
2,4,5-Trichlorophenol	0.427	0.473		10.8	50.0
1,1-Biphenyl	1.453	1.574		8.3	50.0
2-Chloronaphthalene	1.131	1.222		8.0	50.0
2-Nitroaniline	0.329	0.374		13.7	50.0
Dimethylphthalate	1.465	1.600		9.2	50.0
Acenaphthylene	1.871	2.053		9.7	50.0
2,6-Dinitrotoluene	0.309	0.350		13.3	50.0
3-Nitroaniline	0.347	0.389		12.1	50.0
Acenaphthene	1.098	1.169		6.5	50.0
2,4-Dinitrophenol	0.165	0.199	0.050	20.6	50.0
4-Nitrophenol	0.285	0.322	0.050	13.0	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	1.878		8.2	50.0
2,4-Dinitrotoluene	0.440	0.506		15.0	50.0
Diethylphthalate	1.488	1.622		9.0	50.0
4-Chlorophenyl-phenylether	0.681	0.723		6.2	50.0
Fluorene	1.370	1.459		6.5	50.0
4-Nitroaniline	0.356	0.400		12.4	50.0
4,6-Dinitro-2-methylphenol	0.125	0.141		12.8	50.0
n-Nitrosodiphenylamine	0.610	0.645		5.7	50.0
2,4,6-Tribromophenol	0.269	0.301		11.9	50.0
4-Bromophenyl-phenylether	0.220	0.234		6.4	50.0
Hexachlorobenzene	0.255	0.269		5.5	50.0
Atrazine	0.228	0.246		7.9	50.0
Pentachlorophenol	0.161	0.179		11.2	50.0
Phenanthrene	1.099	1.162		5.7	50.0
Anthracene	1.122	1.201		7.0	50.0
Carbazole	1.057	1.131		7.0	50.0
Di-n-butylphthalate	1.300	1.383		6.4	50.0
Fluoranthene	1.311	1.383		5.5	50.0
Pyrene	1.300	1.410		8.5	50.0
Terphenyl-d14	1.093	1.141		4.4	50.0
Butylbenzylphthalate	0.589	0.638		8.3	50.0
3,3-Dichlorobenzidine	0.497	0.534		7.4	50.0
Benzo(a)anthracene	1.319	1.432		8.6	50.0
Chrysene	1.235	1.329		7.6	50.0
Bis(2-ethylhexyl)phthalate	0.867	0.915		5.5	50.0
Di-n-octyl phthalate	1.492	1.589		6.5	50.0
Benzo(b)fluoranthene	1.179	1.276		8.2	50.0
Benzo(k)fluoranthene	1.180	1.272		7.8	50.0
Benzo(a)pyrene	1.148	1.248		8.7	50.0
Indeno(1,2,3-cd)pyrene	1.467	1.589		8.3	50.0
Dibenzo(a,h)anthracene	1.199	1.294		7.9	50.0
Benzo(g,h,i)perylene	1.178	1.263		7.2	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.615		6.4	50.0
1,4-Dioxane	0.472	0.492		4.2	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.419		11.1	50.0

All other compounds must meet a minimum RRF of 0.010.