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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR16

Lab Code: ACE SDG No.: Q3839

Instrument ID: BNA_P Calibration Date/Time: 12/12/2025 10:44

Lab File ID: BP026307.D Init. Calib. Date(s): 11/18/2025 11/18/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:31 21:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.246	1.260		1.1	
Benzaldehyde	0.831	1.058		27.3	
Phenol-d6	1.586	1.452		-8.4	
Phenol	1.709	1.540		-9.9	20.0
bis(2-Chloroethyl)ether	1.338	1.248		-6.7	
2-Chlorophenol	1.418	1.390		-2.0	
2-Methylphenol	1.163	1.057		-9.1	
2,2-oxybis(1-Chloropropane)	1.879	1.670		-11.1	
Acetophenone	0.508	0.515		1.4	
3+4-Methylphenols	1.612	1.397		-13.3	
n-Nitroso-di-n-propylamine	0.985	0.847	0.050	-14.0	
Nitrobenzene-d5	0.352	0.369		4.8	
Hexachloroethane	0.560	0.594		6.1	
Nitrobenzene	0.356	0.373		4.8	
Isophorone	0.698	0.686		-1.7	
2-Nitrophenol	0.180	0.202		12.2	20.0
2,4-Dimethylphenol	0.325	0.300		-7.7	
bis(2-Chloroethoxy)methane	0.437	0.425		-2.7	
2,4-Dichlorophenol	0.325	0.342		5.2	20.0
Naphthalene	1.081	1.125		4.1	
4-Chloroaniline	0.460	0.438		-4.8	
Hexachlorobutadiene	0.215	0.256		19.1	20.0
Caprolactam	0.116	0.102		-12.1	
4-Chloro-3-methylphenol	0.345	0.338		-2.0	20.0
2-Methylnaphthalene	0.766	0.762		-0.5	
Hexachlorocyclopentadiene	0.396	0.376	0.050	-5.1	
2,4,6-Trichlorophenol	0.415	0.459		10.6	20.0
2-Fluorobiphenyl	1.365	1.493		9.4	
2,4,5-Trichlorophenol	0.463	0.501		8.2	
1,1-Biphenyl	1.506	1.588		5.4	
2-Chloronaphthalene	1.184	1.269		7.2	
2-Nitroaniline	0.329	0.339		3.0	
Dimethylphthalate	1.494	1.575		5.4	
Acenaphthylene	1.953	2.043		4.6	
2,6-Dinitrotoluene	0.296	0.327		10.5	
3-Nitroaniline	0.349	0.339		-2.9	
Acenaphthene	1.145	1.171		2.3	20.0
2,4-Dinitrophenol	0.179	0.254	0.050	41.9	
4-Nitrophenol	0.315	0.276	0.050	-12.4	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.773	1.865		5.2	
2,4-Dinitrotoluene	0.442	0.479		8.4	
Diethylphthalate	1.505	1.568		4.2	
4-Chlorophenyl-phenylether	0.697	0.752		7.9	
Fluorene	1.401	1.459		4.1	
4-Nitroaniline	0.362	0.350		-3.3	
4,6-Dinitro-2-methylphenol	0.127	0.150		18.1	
n-Nitrosodiphenylamine	0.619	0.647		4.5	20.0
2,4,6-Tribromophenol	0.259	0.294		13.5	
4-Bromophenyl-phenylether	0.221	0.251		13.6	
Hexachlorobenzene	0.257	0.298		16.0	
Atrazine	0.233	0.241		3.4	
Pentachlorophenol	0.180	0.197		9.4	20.0
Phenanthrene	1.127	1.176		4.3	
Anthracene	1.149	1.214		5.7	
Carbazole	1.091	1.078		-1.2	
Di-n-butylphthalate	1.294	1.387		7.2	
Fluoranthene	1.369	1.435		4.8	20.0
Pyrene	1.311	1.377		5.0	
Terphenyl-d14	0.981	1.076		9.7	
Butylbenzylphthalate	0.578	0.610		5.5	
3,3-Dichlorobenzidine	0.500	0.505		1.0	
Benzo(a)anthracene	1.374	1.409		2.5	
Chrysene	1.295	1.341		3.6	
Bis(2-ethylhexyl)phthalate	0.874	0.908		3.9	
Di-n-octyl phthalate	1.529	1.605		5.0	20.0
Benzo(b)fluoranthene	1.218	1.258		3.3	
Benzo(k)fluoranthene	1.217	1.232		1.2	
Benzo(a)pyrene	1.154	1.197		3.7	20.0
Indeno(1,2,3-cd)pyrene	1.500	1.644		9.6	
Dibenzo(a,h)anthracene	1.228	1.337		8.9	
Benzo(g,h,i)perylene	1.220	1.338		9.7	
1,2,4,5-Tetrachlorobenzene	0.605	0.696		15.0	
1,4-Dioxane	0.505	0.534		5.7	20.0
2,3,4,6-Tetrachlorophenol	0.393	0.426		8.4	

All other compounds must meet a minimum RRF of 0.010.