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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q1833 SAS No.: Q1833 SDG No.: Q1833

Instrument ID: BNA_F Calibration Date/Time: 04/22/2025 14:11

Lab File ID: BF142210.D Init. Calib. Date(s): 04/21/2025 04/21/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:30

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.382	0.349		-8.6	
2-Fluorophenol	1.067	0.999		-6.4	
Phenol-d6	1.336	1.258		-5.8	
Phenol	1.409	1.334		-5.3	20.0
bis(2-Chloroethyl)ether	1.063	0.950		-10.6	
2-Chlorophenol	1.221	1.132		-7.3	
2,2-oxybis(1-Chloropropane)	1.030	0.962		-6.6	
n-Nitroso-di-n-propylamine	0.755	0.714	0.050	-5.4	
Nitrobenzene-d5	0.318	0.299		-6.0	
Hexachloroethane	0.482	0.459		-4.8	
Nitrobenzene	0.315	0.297		-5.7	
Isophorone	0.535	0.495		-7.5	
2-Nitrophenol	0.166	0.170		2.4	20.0
2,4-Dimethylphenol	0.216	0.202		-6.5	
bis(2-Chloroethoxy)methane	0.351	0.326		-7.1	
2,4-Dichlorophenol	0.293	0.267		-8.9	20.0
1,2,4-Trichlorobenzene	0.343	0.307		-10.5	
Naphthalene	0.945	0.895		-5.3	
Hexachlorobutadiene	0.226	0.202		-10.6	20.0
4-Chloro-3-methylphenol	0.295	0.271		-8.1	20.0
Hexachlorocyclopentadiene	0.201	0.182	0.050	-9.5	
2,4,6-Trichlorophenol	0.382	0.347		-9.2	20.0
2-Fluorobiphenyl	1.227	1.133		-7.7	
2-Chloronaphthalene	1.113	1.013		-9.0	
Dimethylphthalate	1.282	1.184		-7.6	
Acenaphthylene	1.573	1.460		-7.2	
2,6-Dinitrotoluene	0.288	0.265		-8.0	
Acenaphthene	1.134	1.046		-7.8	20.0
2,4-Dinitrophenol	0.141	0.138	0.050	-2.1	
4-Nitrophenol	0.202	0.175	0.050	-13.4	
2,4-Dinitrotoluene	0.372	0.351		-5.6	
Diethylphthalate	1.197	1.114		-6.9	
4-Chlorophenyl-phenylether	0.677	0.610		-9.9	
Fluorene	1.230	1.137		-7.6	
4,6-Dinitro-2-methylphenol	0.117	0.119		1.7	
n-Nitrosodiphenylamine	0.613	0.571		-6.9	20.0
Azobenzene	1.043	0.964		-7.6	
2,4,6-Tribromophenol	0.273	0.246		-9.9	
4-Bromophenyl-phenylether	0.263	0.236		-10.3	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Hexachlorobenzene	0.313	0.275		-12.1	
Pentachlorophenol	0.160	0.145		-9.4	20.0
Phenanthrene	0.993	0.939		-5.4	
Anthracene	0.993	0.946		-4.7	
Di-n-butylphthalate	0.898	0.886		-1.3	
Fluoranthene	1.032	0.919		-10.9	20.0
Benzidine	0.258	0.263		1.9	
Pyrene	1.588	1.613		1.6	
Terphenyl-d14	1.194	1.182		-1.0	
Butylbenzylphthalate	0.384	0.427		11.2	
3,3-Dichlorobenzidine	0.361	0.351		-2.8	
Benzo(a)anthracene	1.211	1.114		-8.0	
Chrysene	1.167	1.055		-9.6	
Bis(2-ethylhexyl)phthalate	0.514	0.593		15.4	
Di-n-octyl phthalate	0.911	1.144		25.6	20.0
Benzo(b)fluoranthene	1.122	0.976		-13.0	
Benzo(k)fluoranthene	1.108	0.954		-13.9	
Benzo(a)pyrene	1.004	0.917		-8.7	20.0
Indeno(1,2,3-cd)pyrene	1.403	1.329		-5.3	
Dibenzo(a,h)anthracene	1.145	1.088		-5.0	
Benzo(g,h,i)perylene	1.192	1.121		-6.0	

All other compounds must meet a minimum RRF of 0.010.