

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5050 SAS No.: P5050 SDG No.: P5050

Instrument ID: BNA_N Calibration Date/Time: 12/03/2024 09:30

Lab File ID: BN035400.D Init. Calib. Date(s): 12/02/2024 12/02/2024

EPA Sample No.: SSTD020349 Init. Calib. Time(s): 13:03 16:56

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.475	0.462	0.010	-2.6	40.0
Benzaldehyde	0.769	0.984	0.010	28.0	40.0
Phenol	1.476	1.540	0.080	4.3	20.0
Bis(2-Chloroethyl)ether	1.155	1.224	0.100	6.0	20.0
2-Chlorophenol	1.256	1.265	0.200	0.7	20.0
2-Methylphenol	1.146	1.215	0.010	6.0	20.0
2,2-oxybis(1-Chloropropane)	0.913	0.942	0.010	3.1	40.0
Acetophenone	1.961	2.122	0.060	8.2	20.0
4-Methylphenol	1.273	1.357	0.010	6.6	20.0
N-Nitroso-di-n-propylamine	0.932	0.950	0.050	1.9	30.0
Hexachloroethane	0.537	0.538	0.100	0.1	20.0
Nitrobenzene	0.326	0.359	0.050	9.9	25.0
Isophorone	0.654	0.703	0.050	7.5	25.0
2-Nitrophenol	0.170	0.185	0.050	8.3	25.0
2,4-Dimethylphenol	0.342	0.373	0.050	9.1	25.0
Bis(2-Chloroethoxy)methane	0.398	0.420	0.050	5.3	20.0
2,4-Dichlorophenol	0.333	0.357	0.060	7.4	20.0
Naphthalene	1.016	1.058	0.200	4.0	20.0
4-Chloroaniline	0.389	0.430	0.010	10.7	40.0
Hexachlorobutadiene	0.235	0.251	0.040	6.9	30.0
Caprolactam	0.096	0.103	0.010	7.5	40.0
4-Chloro-3-methylphenol	0.346	0.376	0.040	8.6	25.0
2-Methylnaphthalene	0.757	0.813	0.100	7.4	20.0
Hexachlorocyclopentadiene	0.296	0.302	0.010	2.0	40.0
2,4,6-Trichlorophenol	0.382	0.407	0.090	6.6	25.0
2,4,5-Trichlorophenol	0.426	0.456	0.100	7.0	25.0
1,1-Biphenyl	1.380	1.434	0.200	3.9	20.0
2-Chloronaphthalene	1.104	1.152	0.300	4.3	20.0
2-Nitroaniline	0.217	0.237	0.050	9.3	40.0
Dimethylphthalate	1.437	1.494	0.300	4.0	20.0
2,6-Dinitrotoluene	0.239	0.260	0.080	8.4	30.0
Acenaphthylene	1.681	1.738	0.400	3.4	20.0
3-Nitroaniline	0.248	0.266	0.010	7.1	40.0
Acenaphthene	1.210	1.225	0.200	1.2	20.0
2,4-Dinitrophenol	0.167	0.161	0.010	-4.0	40.0
4-Nitrophenol	0.223	0.246	0.010	10.1	40.0
Dibenzofuran	1.720	1.778	0.300	3.3	20.0
2,4-Dinitrotoluene	0.380	0.420	0.070	10.5	30.0
Diethylphthalate	1.404	1.490	0.300	6.1	20.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5050 SAS No.: P5050 SDG No.: P5050

Instrument ID: BNA_N Calibration Date/Time: 12/03/2024 09:30

Lab File ID: BN035400.D Init. Calib. Date(s): 12/02/2024 12/02/2024

EPA Sample No.: SSTD020349 Init. Calib. Time(s): 13:03 16:56

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.386	1.438	0.200	3.7	20.0
4-Chlorophenyl-phenylether	0.708	0.738	0.100	4.2	20.0
4-Nitroaniline	0.241	0.286	0.010	18.8	40.0
4,6-Dinitro-2-methylphenol	0.114	0.123	0.010	7.7	40.0
N-Nitrosodiphenylamine	0.531	0.560	0.050	5.4	20.0
1,2,4,5-Tetrachlorobenzene	0.589	0.618	0.100	4.9	20.0
4-Bromophenyl-phenylether	0.202	0.211	0.070	4.3	20.0
Hexachlorobenzene	0.240	0.248	0.050	3.1	25.0
Atrazine	0.190	0.213	0.010	12.0	25.0
Pentachlorophenol	0.152	0.165	0.010	8.3	40.0
Phenanthrene	1.030	1.068	0.200	3.8	20.0
Anthracene	1.040	1.089	0.200	4.7	20.0
Carbazole	0.865	0.986	0.050	14.0	40.0
Di-n-butylphthalate	1.007	1.089	0.500	8.2	25.0
Fluoranthene	1.240	1.225	0.400	-1.2	25.0
Pyrene	1.330	1.305	0.400	-1.9	25.0
Butylbenzylphthalate	0.375	0.382	0.100	2.0	40.0
3,3-Dichlorobenzidine	0.357	0.392	0.010	9.9	40.0
Benzo(a)anthracene	1.343	1.377	0.300	2.6	30.0
Chrysene	1.294	1.303	0.200	0.7	30.0
Bis(2-ethylhexyl)phthalate	0.591	0.619	0.200	4.7	40.0
Di-n-octyl phthalate	0.909	0.874	0.010	-3.9	40.0
Benzo(b)fluoranthene	1.153	1.187	0.200	3.0	25.0
Benzo(k)fluoranthene	1.180	1.216	0.200	3.0	25.0
Benzo(a)pyrene	1.082	1.124	0.200	3.9	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.415	0.200	9.7	25.0
Dibenzo(a,h)anthracene	1.046	1.135	0.200	8.5	30.0
Benzo(g,h,i)perylene	0.980	1.075	0.200	9.7	30.0
2,3,4,6-Tetrachlorophenol	0.371	0.390	0.040	5.2	20.0
1,4-Dioxane-d8	0.423	0.410	0.010	-3.1	25.0
Pyridine-d5	1.116	1.184	0.010	6.1	40.0
Phenol-d5	1.425	1.481	0.010	3.9	25.0
Bis-(2-Chloroethyl)ether-d8	0.795	0.843	0.050	6.1	25.0
2-Chlorophenol-d4	1.207	1.229	0.200	1.8	20.0
4-Methylphenol-d8	1.242	1.288	0.010	3.7	20.0
Nitrobenzene-d5	0.130	0.139	0.050	6.8	20.0
2-Nitrophenol-d4	0.150	0.162	0.050	7.8	30.0
2,4-Dichlorophenol-d3	0.329	0.356	0.060	8.4	20.0
4-Chloroaniline-d4	0.406	0.448	0.010	10.3	40.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5050 SAS No.: P5050 SDG No.: P5050

Instrument ID: BNA_N Calibration Date/Time: 12/03/2024 09:30

Lab File ID: BN035400.D Init. Calib. Date(s): 12/02/2024 12/02/2024

EPA Sample No.: SSTD020349 Init. Calib. Time(s): 13:03 16:56

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.436	1.506	0.300	4.9	20.0
Acenaphthylene-d8	1.582	1.643	0.400	3.9	20.0
4-Nitrophenol-d4	0.236	0.254	0.010	7.5	40.0
Fluorene-d10	1.240	1.305	0.100	5.3	20.0
4,6-Dinitro-2-methylphenol-d2	0.105	0.111	0.010	5.3	40.0
Anthracene-d10	0.882	0.921	0.300	4.4	20.0
Pyrene-d10	1.056	1.053	0.300	-0.3	25.0
Benzo(a)pyrene-d12	0.968	1.029	0.010	6.3	20.0

All other compounds must meet a minimum RRF of 0.010.