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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4562 SAS No.: P4562 SDG No.: P4562

Instrument ID: BNA_M Calibration Date/Time: 10/29/2024 17:25

Lab File ID: BM048291.D Init. Calib. Date(s): 10/26/2024 10/26/2024

EPA Sample No.: SSTD020191 Init. Calib. Time(s): 10:35 13:52

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.537	0.540	0.010	0.6	40.0
Benzaldehyde	0.850	0.780	0.010	-8.2	40.0
Phenol	1.789	1.679	0.080	-6.2	20.0
Bis(2-Chloroethyl)ether	1.430	1.400	0.100	-2.1	20.0
2-Chlorophenol	1.435	1.422	0.200	-0.9	20.0
2-Methylphenol	1.346	1.275	0.010	-5.3	20.0
2,2-oxybis(1-Chloropropane)	2.185	2.172	0.010	-0.6	40.0
Acetophenone	2.173	2.136	0.060	-1.7	20.0
4-Methylphenol	1.486	1.398	0.010	-5.9	20.0
N-Nitroso-di-n-propylamine	1.114	1.063	0.050	-4.6	30.0
Hexachloroethane	0.605	0.616	0.100	1.9	20.0
Nitrobenzene	0.381	0.378	0.050	-0.7	25.0
Isophorone	0.738	0.711	0.050	-3.8	25.0
2-Nitrophenol	0.195	0.190	0.050	-2.7	25.0
2,4-Dimethylphenol	0.357	0.338	0.050	-5.5	25.0
Bis(2-Chloroethoxy)methane	0.458	0.452	0.050	-1.4	20.0
2,4-Dichlorophenol	0.332	0.315	0.060	-4.9	20.0
Naphthalene	1.117	1.102	0.200	-1.4	20.0
4-Chloroaniline	0.436	0.395	0.010	-9.4	40.0
Hexachlorobutadiene	0.221	0.217	0.040	-1.8	30.0
Caprolactam	0.106	0.085	0.010	-19.9	40.0
4-Chloro-3-methylphenol	0.334	0.308	0.040	-7.8	25.0
2-Methylnaphthalene	0.753	0.711	0.100	-5.5	20.0
Hexachlorocyclopentadiene	0.379	0.373	0.010	-1.5	40.0
2,4,6-Trichlorophenol	0.409	0.402	0.090	-1.5	25.0
2,4,5-Trichlorophenol	0.432	0.419	0.100	-2.8	25.0
1,1-Biphenyl	1.534	1.527	0.200	-0.5	20.0
2-Chloronaphthalene	1.189	1.221	0.300	2.8	20.0
2-Nitroaniline	0.329	0.309	0.050	-6.0	40.0
Dimethylphthalate	1.499	1.435	0.300	-4.3	20.0
2,6-Dinitrotoluene	0.291	0.279	0.080	-4.4	30.0
Acenaphthylene	1.841	1.928	0.400	4.8	20.0
3-Nitroaniline	0.307	0.267	0.010	-12.8	40.0
Acenaphthene	1.306	1.280	0.200	-2.0	20.0
2,4-Dinitrophenol	0.198	0.135	0.010	-32.1	40.0
4-Nitrophenol	0.200	0.164	0.010	-17.7	40.0
Dibenzofuran	1.797	1.735	0.300	-3.4	20.0
2,4-Dinitrotoluene	0.426	0.388	0.070	-9.0	30.0
Diethylphthalate	1.508	1.415	0.300	-6.1	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4562 SAS No.: P4562 SDG No.: P4562

Instrument ID: BNA_M Calibration Date/Time: 10/29/2024 17:25

Lab File ID: BM048291.D Init. Calib. Date(s): 10/26/2024 10/26/2024

EPA Sample No.: SSTD020191 Init. Calib. Time(s): 10:35 13:52

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.431	1.396	0.200	-2.5	20.0
4-Chlorophenyl-phenylether	0.718	0.705	0.100	-1.8	20.0
4-Nitroaniline	0.278	0.246	0.010	-11.3	40.0
4,6-Dinitro-2-methylphenol	0.142	0.127	0.010	-10.4	40.0
N-Nitrosodiphenylamine	0.597	0.620	0.050	3.8	20.0
1,2,4,5-Tetrachlorobenzene	0.633	0.641	0.100	1.3	20.0
4-Bromophenyl-phenylether	0.218	0.226	0.070	3.4	20.0
Hexachlorobenzene	0.261	0.263	0.050	0.7	25.0
Atrazine	0.204	0.172	0.010	-15.7	25.0
Pentachlorophenol	0.165	0.153	0.010	-7.4	40.0
Phenanthrene	1.107	1.107	0.200	0.0	20.0
Anthracene	1.108	1.143	0.200	3.1	20.0
Carbazole	0.973	0.961	0.050	-1.3	40.0
Di-n-butylphthalate	1.279	1.245	0.500	-2.6	25.0
Fluoranthene	1.412	1.446	0.400	2.4	25.0
Pyrene	1.514	1.506	0.400	-0.5	25.0
Butylbenzylphthalate	0.626	0.614	0.100	-1.9	40.0
3,3-Dichlorobenzidine	0.436	0.415	0.010	-4.8	40.0
Benzo(a)anthracene	1.442	1.410	0.300	-2.2	30.0
Chrysene	1.356	1.334	0.200	-1.6	30.0
Bis(2-ethylhexyl)phthalate	0.902	0.907	0.200	0.6	40.0
Di-n-octyl phthalate	1.496	1.396	0.010	-6.7	40.0
Benzo(b)fluoranthene	1.276	1.263	0.200	-1.0	25.0
Benzo(k)fluoranthene	1.278	1.279	0.200	0.1	25.0
Benzo(a)pyrene	1.161	1.183	0.200	1.9	20.0
Indeno(1,2,3-cd)pyrene	1.398	1.446	0.200	3.4	25.0
Dibenzo(a,h)anthracene	1.144	1.218	0.200	6.5	30.0
Benzo(g,h,i)perylene	1.073	1.167	0.200	8.8	30.0
2,3,4,6-Tetrachlorophenol	0.370	0.344	0.040	-7.1	20.0
1,4-Dioxane-d8	0.508	0.498	0.010	-1.9	25.0
Pyridine-d5	1.472	1.387	0.010	-5.8	40.0
Phenol-d5	1.718	1.632	0.010	-5.0	25.0
Bis-(2-Chloroethyl)ether-d8	1.064	1.037	0.050	-2.5	25.0
2-Chlorophenol-d4	1.397	1.406	0.200	0.6	20.0
4-Methylphenol-d8	1.380	1.310	0.010	-5.0	20.0
Nitrobenzene-d5	0.164	0.162	0.050	-1.1	20.0
2-Nitrophenol-d4	0.178	0.175	0.050	-1.5	30.0
2,4-Dichlorophenol-d3	0.324	0.321	0.060	-1.0	20.0
4-Chloroaniline-d4	0.450	0.412	0.010	-8.4	40.0

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Lab Code: CHEM Case No.: P4562 SAS No.: P4562 SDG No.: P4562

Instrument ID: BNA_M Calibration Date/Time: 10/29/2024 17:25

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EPA Sample No.: SSTD020191 Init. Calib. Time(s): 10:35 13:52

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.495	1.412	0.300	-5.6	20.0
Acenaphthylene-d8	1.685	1.667	0.400	-1.1	20.0
4-Nitrophenol-d4	0.273	0.227	0.010	-16.9	40.0
Fluorene-d10	1.263	1.211	0.100	-4.1	20.0
4,6-Dinitro-2-methylphenol-d2	0.132	0.117	0.010	-11.1	40.0
Anthracene-d10	0.946	0.950	0.300	0.4	20.0
Pyrene-d10	1.214	1.212	0.300	-0.2	25.0
Benzo(a)pyrene-d12	1.055	1.013	0.010	-4.0	20.0

All other compounds must meet a minimum RRF of 0.010.