

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG061520.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jun 15 18:34:19 2020
 Response Via : Initial Calibration

Calibration Files

10 =BG045762.D 20 =BG045763.D 40 =BG045764.D 50 =BG045765.D 60 =BG045766.D 80 =BG045767.D 100 =BG045768.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.547	0.609	0.570	0.536	0.523	0.523	0.489	0.542	7.10
3)	Pyridine	1.552	1.705	1.724	1.643	1.553	1.592	1.478	1.607	5.53
4)	n-Nitrosodimet...	0.509	0.567	0.569	0.545	0.530	0.544	0.512	0.539	4.44
5) S	2-Fluorophenol	1.170	1.273	1.263	1.206	1.143	1.172	1.060	1.184	6.16
6)	Aniline	2.073	2.340	2.255	2.176	2.066	2.092	1.842	2.121	7.54
7) S	Phenol-d6	1.759	1.975	1.927	1.840	1.750	1.763	1.593	1.801	7.03
8)	2-Chlorophenol	1.286	1.395	1.316	1.287	1.226	1.237	1.125	1.267	6.63
9)	Benzaldehyde	1.161	1.309	1.128	1.045	0.968	0.879		1.082	14.03
10) C	Phenol	1.741	1.930	1.854	1.759	1.690	1.704	1.536	1.745	7.19
11)	bis(2-Chloroet...	1.389	1.458	1.387	1.324	1.270	1.264	1.186	1.325	7.00
12)	1,3-Dichlorobe...	1.547	1.657	1.593	1.528	1.451	1.461	1.335	1.510	6.99
13) C	1,4-Dichlorobe...	1.520	1.650	1.606	1.515	1.438	1.462	1.369	1.509	6.42
14)	1,2-Dichlorobe...	1.493	1.601	1.514	1.468	1.372	1.394	1.267	1.444	7.57
15)	Benzyl Alcohol	1.237	1.502	1.488	1.447	1.394	1.413	1.275	1.394	7.34
16)	2,2'-oxybis(1-...	1.376	1.375	1.291	1.220	1.201	1.194	1.088	1.249	8.39
17)	2-Methylphenol	1.279	1.431	1.387	1.312	1.263	1.263	1.156	1.299	6.95
18)	Hexachloroethane	0.581	0.633	0.608	0.576	0.540	0.561	0.512	0.573	7.05
19) P	n-Nitroso-di-n...	1.181	1.302	1.255	1.199	1.142	1.160	1.049	1.184	6.88
20)	3+4-Methylphenols	1.693	1.889	1.834	1.748	1.636	1.654	1.501	1.708	7.62
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.531	0.581	0.596	0.550	0.527	0.536	0.522	0.549	5.22
23) S	Nitrobenzene-d5	0.415	0.463	0.471	0.442	0.423	0.433	0.417	0.438	5.09
24)	Nitrobenzene	0.443	0.496	0.508	0.467	0.448	0.461	0.445	0.467	5.52
25)	Isophorone	0.800	0.888	0.927	0.865	0.809	0.843	0.800	0.848	5.73
26) C	2-Nitrophenol	0.161	0.194	0.217	0.201	0.195	0.197	0.195	0.194	8.60
27)	2,4-Dimethylph...	0.277	0.313	0.317	0.304	0.290	0.294	0.283	0.297	5.04
28)	bis(2-Chloroet...	0.421	0.469	0.476	0.449	0.423	0.438	0.423	0.443	5.17
29) C	2,4-Dichloroph...	0.310	0.356	0.375	0.352	0.341	0.349	0.342	0.346	5.69
30)	1,2,4-Trichlor...	0.391	0.428	0.438	0.415	0.399	0.405	0.395	0.410	4.30
31)	Naphthalene	1.058	1.166	1.185	1.100	1.050	1.074	1.020	1.093	5.61
32)	Benzoic acid	0.074	0.117	0.178	0.195	0.194	0.214	0.216	0.170	31.85
33)	4-Chloroaniline	0.436	0.482	0.497	0.470	0.445	0.447	0.427	0.458	5.61
34) C	Hexachlorobuta...	0.271	0.304	0.317	0.292	0.281	0.290	0.285	0.292	5.28
35)	Caprolactam	0.089	0.108	0.120	0.121	0.115	0.119	0.112	0.112	10.01
36) C	4-Chloro-3-met...	0.367	0.412	0.429	0.415	0.386	0.401	0.390	0.400	5.26
37)	2-Methylnaphth...	0.779	0.856	0.877	0.839	0.787	0.798	0.764	0.814	5.28
38)	1-Methylnaphth...	0.768	0.802	0.834	0.777	0.740	0.758	0.714	0.771	5.13

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG061520.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.603	0.689	0.721	0.659	0.638	0.661	0.639	0.659	5.81	
41) P	Hexachlorocycl...	0.134	0.226	0.331	0.319	0.335	0.369	0.377	0.299	29.37	
42) S	2,4,6-Tribromo...	0.266	0.302	0.321	0.318	0.294	0.313	0.300	0.302	6.20	
43) C	2,4,6-Trichlor...	0.381	0.455	0.482	0.460	0.444	0.462	0.442	0.446	7.14	
44)	2,4,5-Trichlor...	0.465	0.505	0.553	0.517	0.495	0.524	0.503	0.509	5.29	
45) S	2-Fluorobiphenyl	1.352	1.480	1.482	1.360	1.298	1.316	1.239	1.361	6.69	
46)	1,1'-Biphenyl	1.390	1.500	1.548	1.434	1.383	1.428	1.341	1.432	4.99	
47)	2-Chloronaphth...	1.152	1.192	1.245	1.157	1.115	1.152	1.083	1.157	4.49	
48)	2-Nitroaniline	0.346	0.383	0.419	0.397	0.371	0.397	0.379	0.385	6.05	
49)	Acenaphthylene	1.807	1.957	2.005	1.888	1.781	1.823	1.708	1.853	5.58	
50)	Dimethylphthalate	1.530	1.637	1.684	1.623	1.494	1.551	1.448	1.567	5.39	
51)	2,6-Dinitrotol...	0.328	0.363	0.380	0.365	0.336	0.354	0.336	0.352	5.43	
52) C	Acenaphthene	1.090	1.166	1.200	1.137	1.089	1.118	1.060	1.123	4.34	
53)	3-Nitroaniline	0.315	0.350	0.375	0.366	0.346	0.363	0.345	0.351	5.49	
54) P	2,4-Dinitrophenol	0.038	0.096	0.159	0.185	0.187	0.199	0.200	0.152	40.60	
55)	Dibenzofuran	1.786	1.937	1.976	1.863	1.761	1.785	1.663	1.824	5.92	
56) P	4-Nitrophenol	0.135	0.201	0.246	0.255	0.238	0.263	0.247	0.226	19.89	
57)	2,4-Dinitrotol...	0.456	0.519	0.547	0.529	0.494	0.506	0.479	0.504	6.14	
58)	Fluorene	1.480	1.594	1.645	1.549	1.462	1.496	1.393	1.517	5.61	
59)	2,3,4,6-Tetrac...	0.389	0.420	0.479	0.462	0.438	0.466	0.439	0.442	6.97	
60)	Diethylphthalate	1.543	1.690	1.734	1.658	1.527	1.585	1.473	1.602	5.94	
61)	4-Chlorophenyl...	0.821	0.913	0.942	0.895	0.844	0.869	0.837	0.874	5.04	
62)	4-Nitroaniline	0.292	0.362	0.395	0.385	0.363	0.373	0.357	0.361	9.25	
63)	Azobenzene	1.533	1.631	1.641	1.571	1.473	1.507	1.411	1.538	5.42	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.084	0.120	0.134	0.133	0.129	0.135	0.131	0.124	14.58	
66) c	n-Nitrosodiphe...	0.548	0.606	0.606	0.573	0.548	0.559	0.526	0.566	5.35	
67)	4-Bromophenyl-...	0.241	0.265	0.279	0.263	0.260	0.260	0.250	0.260	4.58	
68)	Hexachlorobenzene	0.249	0.282	0.283	0.279	0.267	0.267	0.260	0.269	4.64	
69)	Atrazine	0.219	0.238	0.234	0.226	0.208	0.216	0.197	0.220	6.64	
70) C	Pentachlorophenol	0.049	0.086	0.123	0.121	0.122	0.137	0.135	0.111	28.84	
71)	Phenanthrene	1.029	1.128	1.105	1.059	0.987	0.992	0.920	1.031	7.00	
72)	Anthracene	1.022	1.130	1.107	1.045	0.983	0.985	0.918	1.027	7.22	
73)	Carbazole	0.943	1.067	1.059	1.004	0.944	0.948	0.882	0.978	6.94	
74)	Di-n-butylphth...	1.146	1.261	1.256	1.191	1.112	1.115	1.026	1.158	7.30	
75) C	Fluoranthene	1.275	1.414	1.368	1.294	1.220	1.200	1.106	1.268	8.22	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.503	0.570	0.597	0.549	0.499	0.498	0.424	0.520	11.03	
78)	Pyrene	1.335	1.433	1.466	1.345	1.306	1.285	1.204	1.339	6.62	
79) S	Terphenyl-d14	1.034	1.084	1.093	0.998	0.944	0.915	0.841	0.987	9.38	
80)	Butylbenzylphth...	0.542	0.586	0.609	0.567	0.545	0.551	0.524	0.561	5.18	
81)	Benzo(a)anthra...	1.288	1.374	1.396	1.302	1.265	1.258	1.194	1.297	5.35	
82)	3,3'-Dichlorob...	0.446	0.518	0.536	0.499	0.491	0.490	0.454	0.490	6.59	
83)	Chrysene	1.257	1.327	1.371	1.255	1.213	1.213	1.145	1.254	6.02	
84)	Bis(2-ethylhex...	0.726	0.830	0.845	0.784	0.763	0.774	0.736	0.780	5.71	
85) c	Di-n-octyl pht...	1.293	1.416	1.455	1.359	1.328	1.329	1.234	1.345	5.52	

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\

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-----ISTD-----											
86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.385	1.474	1.548	1.469	1.408	1.467	1.397	1.450		3.95
88)	Benzo(b)fluora...	1.237	1.309	1.348	1.259	1.202	1.262	1.159	1.254		5.05
89)	Benzo(k)fluora...	1.133	1.276	1.306	1.232	1.163	1.164	1.128	1.200		5.94
90) C	Benzo(a)pyrene	1.125	1.232	1.255	1.186	1.128	1.164	1.111	1.171		4.75
91)	Dibenzo(a,h)an...	1.106	1.204	1.246	1.182	1.131	1.163	1.106	1.163		4.49
92)	Benzo(g,h,i)pe...	1.095	1.202	1.243	1.181	1.127	1.171	1.127	1.164		4.38

(#) = Out of Range