

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF081320.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Aug 22 07:48:49 2020
 Response Via : Initial Calibration

Calibration Files

5 =BF121265.D 10 =BF121266.D 20 =BF121267.D 40 =BF121268.D 50 =BF121269.D 60 =BF121270.D 80 =BF121271.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.523	0.570	0.578	0.586	0.566	0.560	0.546	0.561	3.76
3)	Pyridine	1.380	1.458	1.508	1.463	1.495	1.466	1.461	1.461	2.79
4)	n-Nitrosodimet...	0.556	0.551	0.592	0.632	0.623	0.622	0.614	0.599	5.56
5) S	2-Fluorophenol	1.303	1.351	1.394	1.378	1.275	1.265	1.268	1.319	4.14
6)	Aniline	2.019	2.114	2.102	2.102	1.942	1.926	1.901	2.015	4.59
7) S	Phenol-d6	1.726	1.793	1.805	1.764	1.626	1.604	1.583	1.700	5.51
8)	2-Chlorophenol	1.451	1.475	1.497	1.524	1.413	1.399	1.395	1.451	3.49
9)	Benzaldehyde	0.971	1.004	0.986	0.903	0.784	0.771	0.712	0.876	13.55
10) C	Phenol	1.879	1.946	1.957	1.932	1.756	1.721	1.719	1.844	5.87
11)	bis(2-Chloroet...	1.283	1.414	1.393	1.370	1.301	1.281	1.276	1.331	4.45
12)	1,3-Dichlorobe...	1.542	1.624	1.589	1.583	1.482	1.468	1.443	1.533	4.53
13) C	1,4-Dichlorobe...	1.591	1.631	1.619	1.581	1.492	1.473	1.459	1.549	4.68
14)	1,2-Dichlorobe...	1.473	1.535	1.538	1.529	1.394	1.382	1.385	1.462	5.04
15)	Benzyl Alcohol	1.136	1.153	1.209	1.198	1.100	1.099	1.076	1.139	4.50
16)	2,2'-oxybis(1-...	1.921	1.976	1.971	1.998	1.859	1.859	1.835	1.917	3.47
17)	2-Methylphenol	1.160	1.173	1.194	1.189	1.115	1.096	1.094	1.146	3.78
18)	Hexachloroethane	0.541	0.549	0.560	0.580	0.540	0.538	0.528	0.548	3.13
19) P	n-Nitroso-di-n...	0.994	0.995	1.020	0.987	0.880	0.867	0.869	0.945	7.26
20)	3+4-Methylphenols	1.513	1.548	1.565	1.523	1.354	1.323	1.351	1.454	7.28
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.526	0.530	0.545	0.534	0.489	0.489	0.492	0.515	4.70
23) S	Nitrobenzene-d5	0.353	0.356	0.376	0.380	0.366	0.365	0.366	0.366	2.66
24)	Nitrobenzene	0.378	0.388	0.406	0.410	0.397	0.401	0.399	0.397	2.74
25)	Isophorone	0.718	0.724	0.751	0.759	0.728	0.733	0.730	0.735	2.00
26) C	2-Nitrophenol	0.169	0.172	0.191	0.202	0.204	0.204	0.205	0.192	8.29
27)	2,4-Dimethylph...	0.293	0.297	0.320	0.318	0.312	0.310	0.309	0.308	3.34
28)	bis(2-Chloroet...	0.400	0.403	0.416	0.426	0.412	0.409	0.410	0.411	2.06
29) C	2,4-Dichloroph...	0.290	0.299	0.325	0.327	0.320	0.323	0.323	0.315	4.64
30)	1,2,4-Trichlor...	0.345	0.343	0.356	0.357	0.345	0.344	0.345	0.348	1.69
31)	Naphthalene	1.133	1.145	1.175	1.155	1.087	1.089	1.092	1.125	3.21
32)	Benzoic acid		0.078	0.114	0.158	0.162	0.190	0.183	0.148	29.32
33)	4-Chloroaniline	0.447	0.456	0.466	0.474	0.455	0.458	0.458	0.459	1.85
34) C	Hexachlorobuta...	0.205	0.206	0.218	0.220	0.205	0.210	0.209	0.211	2.83
35)	Caprolactam	0.081	0.086	0.095	0.101	0.102	0.100	0.100	0.095	8.88
36) C	4-Chloro-3-met...	0.306	0.308	0.329	0.331	0.322	0.325	0.329	0.322	3.16
37)	2-Methylnaphth...	0.744	0.742	0.779	0.761	0.718	0.721	0.717	0.740	3.17
38)	1-Methylnaphth...	0.704	0.707	0.724	0.723	0.683	0.683	0.685	0.701	2.57

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.661	0.666	0.685	0.693	0.663	0.663	0.661	0.670	1.94	
41) P	Hexachlorocycl...	0.058	0.057	0.116	0.176	0.233	0.233		0.146	55.47	
42) S	2,4,6-Tribromo...	0.228	0.224	0.246	0.265	0.253	0.250	0.258	0.246	6.18	
43) C	2,4,6-Trichlor...	0.404	0.392	0.421	0.445	0.444	0.436	0.441	0.426	4.95	
44)	2,4,5-Trichlor...	0.421	0.435	0.460	0.491	0.481	0.475	0.477	0.463	5.58	
45) S	2-Fluorobiphenyl	1.541	1.578	1.547	1.490	1.301	1.319	1.345	1.446	8.28	
46)	1,1'-Biphenyl	1.732	1.766	1.773	1.777	1.681	1.679	1.689	1.728	2.59	
47)	2-Chloronaphth...	1.304	1.343	1.370	1.366	1.310	1.300	1.319	1.330	2.21	
48)	2-Nitroaniline	0.315	0.354	0.376	0.392	0.394	0.392	0.394	0.374	7.91	
49)	Acenaphthylene	2.072	2.143	2.164	2.196	2.067	2.055	2.092	2.113	2.59	
50)	Dimethylphthalate	1.483	1.514	1.534	1.552	1.474	1.479	1.500	1.505	1.98	
51)	2,6-Dinitrotol...	0.303	0.310	0.330	0.353	0.349	0.352	0.351	0.335	6.35	
52) C	Acenaphthene	1.242	1.266	1.281	1.288	1.224	1.216	1.240	1.251	2.22	
53)	3-Nitroaniline	0.348	0.359	0.372	0.404	0.398	0.400	0.401	0.383	6.09	
54) P	2,4-Dinitrophenol	0.038	0.042	0.087	0.118	0.155	0.156		0.099	53.10	
55)	Dibenzofuran	2.013	2.072	2.087	2.073	1.890	1.886	1.924	1.992	4.52	
56) P	4-Nitrophenol		0.181	0.226	0.260	0.273	0.271	0.272	0.247	14.87	
57)	2,4-Dinitrotol...	0.385	0.397	0.436	0.476	0.461	0.457	0.470	0.440	8.18	
58)	Fluorene	1.544	1.583	1.570	1.562	1.429	1.412	1.456	1.508	4.83	
59)	2,3,4,6-Tetrac...	0.324	0.334	0.380	0.376	0.381	0.385	0.382	0.366	7.04	
60)	Diethylphthalate	1.493	1.514	1.563	1.608	1.503	1.505	1.527	1.530	2.70	
61)	4-Chlorophenyl...	0.754	0.765	0.762	0.762	0.695	0.693	0.703	0.733	4.67	
62)	4-Nitroaniline	0.339	0.349	0.383	0.414	0.405	0.395	0.403	0.384	7.54	
63)	Azobenzene	1.483	1.544	1.569	1.579	1.515	1.492	1.523	1.529	2.40	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.069	0.094	0.114	0.130	0.128	0.130	0.111	22.58	
66) c	n-Nitrosodiphe...	0.675	0.688	0.708	0.711	0.664	0.673	0.680	0.686	2.63	
67)	4-Bromophenyl-...	0.226	0.235	0.238	0.235	0.232	0.232	0.235	0.233	1.62	
68)	Hexachlorobenzene	0.262	0.267	0.274	0.273	0.260	0.260	0.266	0.266	2.14	
69)	Atrazine	0.202	0.213	0.211	0.206	0.199	0.201	0.204	0.205	2.51	
70) C	Pentachlorophenol		0.052	0.079	0.105	0.120	0.116	0.116	0.098	27.73	
71)	Phenanthrene	1.162	1.190	1.197	1.171	1.092	1.085	1.111	1.144	4.10	
72)	Anthracene	1.129	1.164	1.208	1.193	1.100	1.109	1.135	1.148	3.59	
73)	Carbazole	1.098	1.159	1.177	1.166	1.076	1.080	1.103	1.123	3.84	
74)	Di-n-butylphth...	1.204	1.250	1.297	1.354	1.224	1.252	1.290	1.267	3.99	
75) C	Fluoranthene	1.250	1.307	1.334	1.338	1.230	1.218	1.242	1.274	3.98	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.576	0.512	0.477	0.558	0.584	0.504	0.470	0.526	8.88	
78)	Pyrene	1.438	1.491	1.489	1.523	1.502	1.500	1.484	1.489	1.75	
79) S	Terphenyl-d14	1.093	1.087	1.096	1.052	0.948	0.953	0.953	1.026	6.95	
80)	Butylbenzylpht...	0.544	0.548	0.583	0.636	0.642	0.652	0.653	0.608	8.00	
81)	Benzo(a)anthra...	1.394	1.412	1.428	1.389	1.284	1.276	1.313	1.357	4.69	
82)	3,3'-Dichlorob...	0.513	0.536	0.551	0.562	0.536	0.539	0.530	0.538	2.90	
83)	Chrysene	1.379	1.376	1.404	1.421	1.373	1.358	1.385	1.385	1.52	
84)	Bis(2-ethylhex...	0.823	0.830	0.853	0.894	0.803	0.825	0.843	0.839	3.46	
85) c	Di-n-octyl pht...	1.416	1.427	1.477	1.641	1.556	1.606	1.639	1.537	6.32	

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.415	1.494	1.589	1.548	1.419	1.452	1.492	1.487		4.38
88)	Benzo(b)fluora...	1.322	1.362	1.413	1.298	1.317	1.335	1.334	1.340		2.82
89)	Benzo(k)fluora...	1.243	1.256	1.270	1.332	1.233	1.176	1.202	1.244		4.02
90) C	Benzo(a)pyrene	1.169	1.217	1.259	1.242	1.199	1.184	1.197	1.210		2.63
91)	Dibenzo(a,h)an...	1.217	1.292	1.368	1.325	1.211	1.235	1.271	1.274		4.58
92)	Benzo(g,h,i)pe...	1.190	1.265	1.355	1.307	1.190	1.236	1.258	1.257		4.76

(#) = Out of Range