

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF020922.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Feb 10 00:44:00 2022
 Response Via : Initial Calibration

Calibration Files

5 =BF126824.D 10 =BF126825.D 20 =BF126826.D 40 =BF126827.D 50 =BF126828.D 60 =BF126829.D 80 =BF126830.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane								0.000	-1.00
3)	Pyridine	1.842	1.751	1.751	1.613	1.563	1.542	1.472	1.648	8.20
4)	n-Nitrosodimet...	0.857	0.819	0.808	0.751	0.740	0.733	0.708	0.774	7.04
5) S	2-Fluorophenol	1.529	1.449	1.396	1.248	1.203	1.169	1.099	1.299	12.31
6)	Aniline	2.398	2.278	2.208	2.066	2.007	1.954	1.874	2.112	8.93
7) S	Phenol-d6	2.059	1.953	1.884	1.701	1.618	1.572	1.488	1.754	12.21
8)	2-Chlorophenol	1.609	1.548	1.481	1.352	1.297	1.239	1.153	1.383	12.17
9)	Benzaldehyde	1.195	1.132	1.176	0.967	0.861			1.066	13.67
10) C	Phenol	2.051	1.929	1.889	1.710	1.644	1.612	1.538	1.768	10.75
11)	bis(2-Chloroet...	1.604	1.567	1.496	1.367	1.336	1.271	1.209	1.407	10.73
12)	1,3-Dichlorobe...	1.770	1.678	1.599	1.458	1.406	1.340	1.281	1.504	12.10
13) C	1,4-Dichlorobe...	1.791	1.705	1.639	1.473	1.414	1.352	1.269	1.520	12.78
14)	1,2-Dichlorobe...	1.727	1.643	1.536	1.389	1.310	1.261	1.163	1.433	14.55
15)	Benzyl Alcohol	1.516	1.483	1.476	1.377	1.336	1.298	1.215	1.386	8.02
16)	2,2'-oxybis(1-...	2.652	2.553	2.442	2.252	2.184	2.073	1.946	2.300	11.23
17)	2-Methylphenol	1.376	1.316	1.281	1.186	1.146	1.106	1.057	1.210	9.72
18)	Hexachloroethane	0.664	0.624	0.610	0.560	0.551	0.526	0.495	0.576	10.28
19) P	n-Nitroso-di-n...	1.284	1.233	1.176	1.072	1.056	0.995	0.958	1.110	11.06
20)	3+4-Methylphenols	1.832	1.714	1.688	1.522	1.434	1.386	1.288	1.552	12.76
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.606	0.568	0.545	0.494	0.481	0.475	0.454	0.517	10.88
23) S	Nitrobenzene-d5	0.467	0.460	0.454	0.420	0.416	0.413	0.405	0.433	5.95
24)	Nitrobenzene	0.447	0.429	0.423	0.398	0.397	0.395	0.381	0.410	5.67
25)	Isophorone	0.788	0.741	0.750	0.703	0.705	0.698	0.700	0.726	4.73
26) C	2-Nitrophenol	0.161	0.169	0.181	0.172	0.174	0.175	0.170	0.172	3.56
27)	2,4-Dimethylph...	0.305	0.301	0.305	0.285	0.279	0.279	0.272	0.290	4.76
28)	bis(2-Chloroet...	0.498	0.494	0.471	0.435	0.431	0.417	0.409	0.451	8.12
29) C	2,4-Dichloroph...	0.294	0.288	0.286	0.263	0.263	0.260	0.251	0.272	6.16
30)	1,2,4-Trichlor...	0.335	0.316	0.323	0.290	0.287	0.283	0.273	0.301	7.82
31)	Naphthalene	1.209	1.134	1.104	0.994	0.963	0.955	0.901	1.037	10.85
32)	Benzoic acid	0.158	0.166	0.205	0.217	0.224	0.226	0.237	0.204	14.98
33)	4-Chloroaniline	0.461	0.432	0.428	0.397	0.385	0.382	0.374	0.408	7.91
34) C	Hexachlorobuta...	0.199	0.179	0.179	0.161	0.164	0.161	0.156	0.171	8.74
35)	Caprolactam	0.094	0.094	0.099	0.094	0.091	0.092	0.091	0.093	2.91
36) C	4-Chloro-3-met...	0.369	0.356	0.361	0.336	0.326	0.331	0.320	0.343	5.54
37)	2-Methylnaphth...	0.768	0.726	0.702	0.634	0.617	0.610	0.583	0.663	10.44
38)	1-Methylnaphth...	0.748	0.701	0.682	0.616	0.601	0.586	0.557	0.641	10.84

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.590	0.573	0.548	0.497	0.494	0.491	0.461	0.522	9.24
41) P	Hexachlorocycl...	0.268	0.281	0.303	0.298	0.308	0.306	0.295	0.294	5.02
42) S	2,4,6-Tribromo...	0.222	0.221	0.225	0.206	0.211	0.209	0.206	0.214	3.68
43) C	2,4,6-Trichlor...	0.402	0.398	0.396	0.360	0.369	0.362	0.350	0.377	5.69
44)	2,4,5-Trichlor...	0.434	0.409	0.413	0.385	0.390	0.389	0.371	0.399	5.34
45) S	2-Fluorobiphenyl	1.613	1.505	1.415	1.238	1.229	1.201	1.101	1.329	13.94
46)	1,1'-Biphenyl	1.863	1.728	1.698	1.491	1.503	1.471	1.349	1.586	11.36
47)	2-Chloronaphth...	1.328	1.270	1.250	1.110	1.107	1.104	1.031	1.172	9.39
48)	2-Nitroaniline	0.453	0.446	0.472	0.453	0.453	0.462	0.443	0.455	2.13
49)	Acenaphthylene	2.204	2.079	2.028	1.837	1.807	1.779	1.632	1.909	10.45
50)	Dimethylphthalate	1.628	1.515	1.469	1.341	1.352	1.337	1.266	1.415	8.92
51)	2,6-Dinitrotol...	0.296	0.295	0.298	0.283	0.280	0.284	0.270	0.287	3.57
52) C	Acenaphthene	1.342	1.306	1.282	1.175	1.178	1.166	1.098	1.221	7.31
53)	3-Nitroaniline	0.358	0.362	0.368	0.341	0.343	0.350	0.325	0.350	4.16
54) P	2,4-Dinitrophenol	0.097	0.130	0.148	0.154	0.162	0.163	0.142		17.79
55)	Dibenzofuran	1.948	1.838	1.805	1.590	1.577	1.572	1.437	1.681	10.91
56) P	4-Nitrophenol	0.236	0.232	0.262	0.258	0.251	0.268	0.250	0.251	5.20
57)	2,4-Dinitrotol...	0.383	0.391	0.398	0.376	0.376	0.373	0.355	0.379	3.67
58)	Fluorene	1.532	1.414	1.371	1.210	1.200	1.192	1.108	1.289	11.75
59)	2,3,4,6-Tetrac...	0.332	0.328	0.334	0.300	0.305	0.303	0.286	0.312	6.00
60)	Diethylphthalate	1.663	1.564	1.553	1.397	1.391	1.360	1.291	1.460	9.19
61)	4-Chlorophenyl...	0.703	0.669	0.642	0.564	0.564	0.562	0.527	0.604	10.94
62)	4-Nitroaniline	0.335	0.321	0.342	0.333	0.327	0.329	0.313	0.329	2.94
63)	Azobenzene	1.920	1.780	1.744	1.599	1.587	1.560	1.443	1.662	9.68
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.090	0.112	0.117	0.121	0.123	0.122	0.114		10.93
66) c	n-Nitrosodiphe...	0.740	0.698	0.692	0.622	0.628	0.613	0.586	0.654	8.58
67)	4-Bromophenyl-...	0.236	0.228	0.229	0.207	0.213	0.208	0.201	0.217	6.16
68)	Hexachlorobenzene	0.262	0.245	0.244	0.225	0.227	0.221	0.215	0.234	7.15
69)	Atrazine	0.220	0.210	0.213	0.198	0.192	0.188	0.178	0.200	7.51
70) C	Pentachlorophenol	0.107	0.120	0.135	0.133	0.135	0.138	0.137	0.129	9.01
71)	Phenanthrene	1.277	1.196	1.186	1.057	1.043	1.028	0.970	1.108	10.08
72)	Anthracene	1.256	1.202	1.183	1.064	1.046	1.025	0.975	1.107	9.53
73)	Carbazole	1.139	1.080	1.081	0.965	0.945	0.946	0.899	1.008	8.96
74)	Di-n-butylphth...	1.414	1.385	1.404	1.261	1.254	1.230	1.147	1.299	7.88
75) C	Fluoranthene	1.204	1.098	1.115	0.990	0.967	0.968	0.914	1.037	10.02
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.541	0.491	0.634	0.554	0.536	0.480	0.447	0.526	11.60
78)	Pyrene	1.833	1.894	1.902	1.809	1.799	1.752	1.719	1.815	3.73
79) S	Terphenyl-d14	1.517	1.507	1.431	1.348	1.372	1.318	1.272	1.395	6.70
80)	Butylbenzylpht...	0.776	0.816	0.853	0.844	0.863	0.838	0.829	0.831	3.46
81)	Benzo(a)anthra...	1.503	1.393	1.399	1.325	1.308	1.290	1.266	1.355	6.06
82)	3,3'-Dichlorob...	0.415	0.399	0.428	0.400	0.408	0.401	0.373	0.404	4.18
83)	Chrysene	1.392	1.324	1.325	1.225	1.228	1.227	1.185	1.272	5.88
84)	Bis(2-ethylhex...	1.177	1.059	1.116	1.052	1.096	1.030	1.016	1.078	5.20
85) c	Di-n-octyl pht...	1.579	1.356	1.475	1.461	1.558	1.458	1.470	1.480	4.95

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.243	1.381	1.469	1.491	1.461	1.452	1.486	1.426	6.21	
88)	Benzo(b)fluora...	1.383	1.306	1.402	1.261	1.188	1.198	1.205	1.278	6.94	
89)	Benzo(k)fluora...	1.534	1.369	1.336	1.298	1.247	1.252	1.196	1.319	8.43	
90) C	Benzo(a)pyrene	1.090	1.028	1.084	1.053	1.016	1.008	1.018	1.043	3.22	
91)	Dibenzo(a,h)an...	1.031	1.151	1.235	1.224	1.203	1.223	1.222	1.184	6.16	
92)	Benzo(g,h,i)pe...	1.015	1.142	1.208	1.228	1.210	1.213	1.231	1.178	6.59	

(#) = Out of Range