

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF071620.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 LastUpdate: Tue Jul 20 14:55:43 2020
 Response via: Initial Calibration

Calibration Files

5 =BF120877.D 10 =BF120878.D 20 =BF120879.D 40 =BF120880.D 50 =BF120881.D 60 =BF120882.D 80 =BF120883.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.609	0.567	0.610	0.543	0.550	0.527	0.524	0.561	6.36
3)	Pyridine	1.463	1.510	1.656	1.436	1.507	1.452	1.432	1.494	5.24
4)	n-Nitrosodimet...	0.665	0.634	0.685	0.622	0.633	0.611	0.621	0.639	4.20
5) S	2-Fluorophenol	1.384	1.331	1.377	1.175	1.159	1.080	1.033	1.220	11.79
6)	Aniline	2.182	2.112	2.236	1.977	2.045	1.940	1.907	2.057	6.06
7) S	Phenol-d6	1.787	1.695	1.776	1.509	1.494	1.400	1.371	1.576	11.08
8)	2-Chlorophenol	1.464	1.418	1.507	1.307	1.312	1.220	1.179	1.344	9.20
9)	Benzaldehyde	0.933	1.027	1.010	0.746	0.721	0.645	0.592	0.811	21.90
10) C	Phenol	1.973	1.865	1.971	1.673	1.664	1.546	1.443	1.734	11.99
11)	bis(2-Chloroet...	1.448	1.390	1.468	1.283	1.298	1.215	1.200	1.329	8.12
12)	1,3-Dichlorobe...	1.645	1.564	1.649	1.398	1.397	1.300	1.249	1.457	11.15
13) C	1,4-Dichlorobe...	1.644	1.549	1.623	1.392	1.398	1.294	1.244	1.449	10.92
14)	1,2-Dichlorobe...	1.576	1.497	1.569	1.331	1.312	1.195	1.116	1.371	13.26
15)	Benzyl Alcohol	1.250	1.195	1.273	1.078	1.081	0.990	0.934	1.114	11.63
16)	2,2'-oxybis(1-...	2.124	2.028	2.114	1.845	1.849	1.750	1.694	1.915	9.08
17)	2-Methylphenol	1.291	1.246	1.328	1.131	1.157	1.098	1.087	1.191	8.11
18)	Hexachloroethane	0.551	0.556	0.584	0.515	0.518	0.480	0.469	0.525	7.95
19) P	n-Nitroso-di-n...	1.048	0.990	1.011	0.834	0.841	0.780	0.770	0.896	12.98
20)	3+4-Methylphenols	1.683	1.602	1.671	1.336	1.285			1.515	12.58
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.528	0.501	0.516	0.430	0.419	0.382	0.364	0.449	14.74
23) S	Nitrobenzene-d5	0.356	0.350	0.378	0.340	0.345	0.328	0.323	0.346	5.35
24)	Nitrobenzene	0.385	0.375	0.410	0.364	0.373	0.352	0.348	0.373	5.67
25)	Isophorone	0.725	0.705	0.754	0.665	0.678	0.646	0.657	0.690	5.72
26) C	2-Nitrophenol	0.150	0.161	0.186	0.181	0.191	0.183	0.187	0.177	8.65
27)	2,4-Dimethylph...	0.293	0.295	0.314	0.278	0.287	0.272	0.271	0.287	5.29
28)	bis(2-Chloroet...	0.446	0.435	0.464	0.404	0.416	0.391	0.391	0.421	6.70
29) C	2,4-Dichloroph...	0.300	0.295	0.320	0.290	0.295	0.278	0.277	0.294	4.90
30)	1,2,4-Trichlor...	0.348	0.333	0.361	0.322	0.322	0.300	0.294	0.326	7.40
31)	Naphthalene	1.158	1.098	1.150	0.994	0.982	0.914	0.886	1.026	10.77
32)	Benzoic acid	0.161	0.183	0.236	0.237	0.223	0.225	0.244	0.216	14.50
33)	4-Chloroaniline	0.473	0.458	0.494	0.438	0.450	0.439	0.452	0.458	4.33
34) C	Hexachlorobuta...	0.209	0.201	0.214	0.188	0.188	0.175	0.168	0.192	8.79
35)	Caprolactam	0.092	0.090	0.101	0.092	0.097	0.092	0.095	0.094	4.21
36) C	4-Chloro-3-met...	0.311	0.300	0.330	0.295	0.300	0.286	0.286	0.301	5.14
37)	2-Methylnaphth...	0.728	0.710	0.747	0.654	0.648	0.597	0.580	0.666	9.68
38)	1-Methylnaphth...	0.686	0.675	0.709	0.614	0.616	0.571	0.546	0.631	9.65

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.624	0.619	0.642	0.578	0.569	0.532	0.515	0.583	8.27	
41) P	Hexachlorocycl...	0.281	0.317	0.348	0.334	0.337	0.320	0.318	0.322	6.68	
42) S	2,4,6-Tribromo...	0.215	0.229	0.245	0.219	0.222	0.204	0.199	0.219	6.98	
43) C	2,4,6-Trichlor...	0.399	0.411	0.447	0.409	0.417	0.397	0.392	0.410	4.54	
44)	2,4,5-Trichlor...	0.467	0.476	0.505	0.461	0.473	0.440	0.436	0.465	4.98	
45) S	2-Fluorobiphenyl	1.527	1.470	1.422	1.172	1.107			1.340	14.03	
46)	1,1'-Biphenyl	1.702	1.659	1.686	1.495	1.477	1.352	1.309	1.526	10.53	
47)	2-Chloronaphth...	1.348	1.312	1.360	1.225	1.224	1.136	1.102	1.244	8.14	
48)	2-Nitroaniline	0.348	0.367	0.402	0.375	0.391	0.368	0.380	0.376	4.64	
49)	Acenaphthylene	2.139	2.048	2.129	1.893	1.890	1.738	1.689	1.932	9.34	
50)	Dimethylphthalate	1.576	1.500	1.554	1.393	1.421	1.324	1.332	1.443	7.08	
51)	2,6-Dinitrotol...	0.293	0.296	0.325	0.313	0.321	0.311	0.311	0.310	3.82	
52) C	Acenaphthene	1.326	1.285	1.338	1.213	1.212	1.121	1.105	1.229	7.59	
53)	3-Nitroaniline	0.366	0.385	0.415	0.386	0.398	0.383	0.390	0.389	3.88	
54) P	2,4-Dinitrophenol		0.091	0.130	0.148	0.171	0.169	0.182	0.149	22.83	
55)	Dibenzofuran	1.999	1.932	1.961	1.724	1.710	1.576	1.534	1.777	10.63	
56) P	4-Nitrophenol	0.269	0.276	0.310	0.297	0.312	0.298	0.305	0.295	5.64	
57)	2,4-Dinitrotol...	0.361	0.386	0.431	0.418	0.431	0.411	0.412	0.407	6.28	
58)	Fluorene	1.522	1.460	1.477	1.246	1.180	1.066		1.325	14.11	
59)	2,3,4,6-Tetrac...	0.346	0.362	0.388	0.352	0.366	0.335	0.331	0.354	5.60	
60)	Diethylphthalate	1.585	1.525	1.587	1.418	1.455	1.342	1.304	1.459	7.71	
61)	4-Chlorophenyl...	0.790	0.750	0.752	0.634	0.607			0.707	11.43	
62)	4-Nitroaniline	0.362	0.367	0.403	0.374	0.391	0.372	0.382	0.379	3.79	
63)	Azobenzene	1.508	1.486	1.525	1.358	1.361	1.255	1.233	1.389	8.62	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.066	0.075	0.101	0.106	0.118	0.116	0.122	0.101	21.66	
66) c	n-Nitrosodipe...	0.672	0.657	0.687	0.631	0.616	0.581	0.558	0.629	7.54	
67)	4-Bromophenyl-...	0.232	0.223	0.245	0.223	0.223	0.208	0.207	0.223	5.91	
68)	Hexachlorobenzene	0.257	0.246	0.262	0.241	0.237	0.223	0.222	0.241	6.27	
69)	Atrazine	0.157	0.181	0.181	0.153	0.140	0.123		0.156	14.52	
70) C	Pentachlorophenol	0.113	0.125	0.153	0.148	0.149	0.140	0.140	0.138	10.54	
71)	Phenanthrene	1.159	1.104	1.147	1.009	0.992	0.922	0.867	1.029	10.94	
72)	Anthracene	1.152	1.089	1.155	1.031	0.995	0.925	0.883	1.033	10.29	
73)	Carbazole	1.122	1.069	1.137	1.020	1.005	0.925	0.896	1.025	9.00	
74)	Di-n-butylphth...	1.253	1.250	1.344	1.176	1.154	1.075	1.028	1.183	9.24	
75) C	Fluoranthene	1.256	1.204	1.273	1.134	1.100	1.023	0.992	1.140	9.64	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.470	0.529	0.576	0.564	0.565	0.491	0.487	0.526	8.23	
78)	Pyrene	1.521	1.429	1.552	1.404	1.390	1.301	1.301	1.414	6.88	
79) S	Terphenyl-d14	1.073	1.007	1.034	0.852	0.808	0.746		0.920	14.71	
80)	Butylbenzylpht...	0.607	0.601	0.681	0.637	0.655	0.618	0.613	0.630	4.58	
81)	Benzo(a)anthra...	1.399	1.319	1.391	1.167	1.148	1.043	1.010	1.211	13.23	
82)	3,3'-Dichlorob...	0.453	0.456	0.507	0.454	0.472	0.430	0.426	0.457	5.94	
83)	Chrysene	1.381	1.301	1.391	1.268	1.252	1.172	1.145	1.273	7.41	
84)	Bis(2-ethylhex...	0.899	0.860	0.904	0.770	0.728	0.663	0.617	0.777	14.73	
85) c	Di-n-octyl pht...	1.605	1.530	1.699	1.563	1.571	1.458	1.398	1.546	6.33	

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-----ISTD-----											
86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.529	1.358	1.474	1.403	1.380	1.306	1.288	1.391		6.25
88)	Benzo(b)fluora...	1.251	1.220	1.244	1.191	1.220	1.125	1.210	1.209		3.47
89)	Benzo(k)fluora...	1.282	1.089	1.237	1.140	1.042	1.013	0.914	1.103		11.65
90) C	Benzo(a)pyrene	1.181	1.085	1.183	1.113	1.088	1.034	1.037	1.103		5.52
91)	Dibenzo(a,h)an...	1.252	1.139	1.234	1.149	1.116	1.044	1.019	1.136		7.68
92)	Benzo(g,h,i)pe...	1.216	1.087	1.192	1.123	1.121	1.056	1.048	1.120		5.74

(#) = Out of Range