

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP082420.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Aug 25 14:56:05 2020
 Response Via : Initial Calibration

Calibration Files

5 =BP003086.D 10 =BP003087.D 20 =BP003088.D 40 =BP003089.D 50 =BP003090.D 60 =BP003091.D 80 =BP003092.D

Compound		5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.521	0.490	0.425	0.397	0.393	0.407	0.394	0.432	11.99
3)	Pyridine	1.342	1.238	1.096	1.078	1.062	1.089	1.062	1.138	9.54
4)	n-Nitrosodimet...	0.329	0.326	0.285	0.284	0.281	0.289	0.286	0.297	6.99
5) S	2-Fluorophenol	1.325	1.269	1.111	1.061	1.056	1.077	1.020	1.131	10.39
6)	Aniline	1.802	1.704	1.515	1.458	1.443	1.471	1.414	1.544	9.63
7) S	Phenol-d6	1.677	1.589	1.400	1.330	1.326	1.336	1.268	1.418	10.86
8)	2-Chlorophenol	1.494	1.396	1.242	1.174	1.174	1.201	1.148	1.261	10.45
9)	Benzaldehyde		0.809	0.693	0.629	0.598	0.577		0.661	14.15
10) C	Phenol	1.543	1.474	1.292	1.237	1.224	1.246	1.183	1.314	10.49
11)	bis(2-Chloroet...	1.252	1.150	1.016	0.966	0.972	0.982	0.943	1.040	11.13
12)	1,3-Dichlorobe...	1.833	1.719	1.508	1.403	1.419	1.454	1.399	1.533	11.27
13) C	1,4-Dichlorobe...	1.859	1.729	1.526	1.419	1.426	1.468	1.409	1.548	11.40
14)	1,2-Dichlorobe...	1.797	1.647	1.458	1.341	1.346	1.376	1.309	1.468	12.60
15)	Benzyl Alcohol	0.860	0.838	0.778	0.770	0.777	0.796	0.773	0.799	4.46
16)	2,2'-oxybis(1-...	1.093	1.003	0.847	0.826	0.810	0.816	0.775	0.881	13.45
17)	2-Methylphenol	1.062	1.021	0.923	0.888	0.887	0.902	0.869	0.936	8.00
18)	Hexachloroethane	0.593	0.557	0.490	0.470	0.474	0.490	0.471	0.506	9.57
19) P	n-Nitroso-di-n...	0.735	0.716	0.643	0.609	0.609	0.612	0.561	0.641	9.82
20)	3+4-Methylphenols	1.400	1.367	1.247	1.196	1.207	1.234	1.179	1.261	6.90
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.518	0.491	0.431	0.414	0.422	0.431	0.411	0.445	9.36
23) S	Nitrobenzene-d5	0.300	0.296	0.269	0.261	0.270	0.278	0.268	0.277	5.42
24)	Nitrobenzene	0.297	0.297	0.260	0.253	0.265	0.271	0.265	0.272	6.49
25)	Isophorone	0.518	0.513	0.468	0.462	0.484	0.497	0.483	0.489	4.30
26) C	2-Nitrophenol	0.152	0.153	0.154	0.160	0.166	0.176	0.177	0.162	6.58
27)	2,4-Dimethylph...	0.266	0.257	0.235	0.230	0.234	0.246	0.241	0.244	5.34
28)	bis(2-Chloroet...	0.411	0.401	0.352	0.336	0.352	0.355	0.345	0.365	7.98
29) C	2,4-Dichloroph...	0.312	0.312	0.295	0.284	0.296	0.313	0.308	0.303	3.71
30)	1,2,4-Trichlor...	0.410	0.387	0.353	0.327	0.341	0.356	0.351	0.361	7.85
31)	Naphthalene	1.194	1.129	0.996	0.933	0.970	1.003	0.969	1.028	9.33
32)	Benzoic acid		0.066	0.120	0.170	0.185	0.201	0.209	0.159	34.82
33)	4-Chloroaniline	0.466	0.453	0.415	0.400	0.418	0.433	0.420	0.429	5.35
34) C	Hexachlorobuta...	0.244	0.230	0.212	0.195	0.205	0.215	0.213	0.216	7.54
35)	Caprolactam	0.084	0.088	0.087	0.088	0.094	0.099	0.098	0.091	6.55
36) C	4-Chloro-3-met...	0.294	0.295	0.272	0.266	0.279	0.290	0.284	0.283	3.98
37)	2-Methylnaphth...	0.853	0.802	0.718	0.664	0.692	0.716	0.700	0.735	9.16
38)	1-Methylnaphth...	0.815	0.758	0.685	0.636	0.660	0.678	0.659	0.699	9.20

39)	I	Acenaphthene-d10	-----ISTD-----								
40)		1,2,4,5-Tetrac...	0.664	0.641	0.585	0.553	0.544	0.587	0.575	0.593	7.46
41)	P	Hexachlorocycl...	0.239	0.257	0.268	0.284	0.286	0.313	0.315	0.280	10.04
42)	S	2,4,6-Tribromo...	0.282	0.279	0.272	0.253	0.260	0.274	0.273	0.270	3.81
43)	C	2,4,6-Trichlor...	0.378	0.394	0.380	0.376	0.382	0.410	0.409	0.390	3.74
44)		2,4,5-Trichlor...	0.414	0.417	0.405	0.391	0.403	0.429	0.426	0.412	3.26
45)	S	2-Fluorobiphenyl	1.640	1.535	1.381	1.255	1.252	1.295	1.203	1.366	11.99
46)		1,1'-Biphenyl	1.758	1.656	1.464	1.385	1.371	1.460	1.407	1.500	9.90
47)		2-Chloronaphth...	1.417	1.353	1.204	1.138	1.124	1.196	1.164	1.228	9.17
48)		2-Nitroaniline	0.217	0.227	0.215	0.227	0.233	0.249	0.242	0.230	5.34
49)		Acenaphthylene	2.059	2.000	1.820	1.739	1.754	1.832	1.793	1.857	6.66
50)		Dimethylphthalate	1.751	1.646	1.490	1.403	1.428	1.499	1.460	1.525	8.29
51)		2,6-Dinitrotol...	0.316	0.321	0.312	0.303	0.312	0.331	0.325	0.317	2.98
52)	C	Acenaphthene	1.318	1.252	1.111	1.058	1.059	1.112	1.076	1.141	9.00
53)		3-Nitroaniline	0.352	0.359	0.345	0.346	0.357	0.379	0.374	0.359	3.69
54)	P	2,4-Dinitrophenol		0.093	0.114	0.142	0.154	0.168	0.178	0.142	22.97
55)		Dibenzofuran	2.135	1.979	1.765	1.636	1.624	1.727	1.675	1.792	10.77
56)	P	4-Nitrophenol	0.206	0.238	0.246	0.260	0.273	0.294	0.292	0.258	12.25
57)		2,4-Dinitrotol...	0.396	0.427	0.415	0.413	0.427	0.456	0.450	0.426	4.92
58)		Fluorene	1.687	1.573	1.390	1.258	1.252	1.291	1.210	1.380	13.21
59)		2,3,4,6-Tetrac...	0.387	0.380	0.368	0.354	0.359	0.379	0.384	0.373	3.42
60)		Diethylphthalate	1.697	1.616	1.464	1.378	1.396	1.482	1.441	1.496	7.86
61)		4-Chlorophenyl...	0.877	0.805	0.716	0.646	0.643	0.665	0.637	0.713	13.17
62)		4-Nitroaniline	0.362	0.382	0.360	0.353	0.365	0.386	0.376	0.369	3.34
63)		Azobenzene	1.113	1.105	0.957	0.922	0.936	0.988	0.932	0.993	8.27
64)	I	Phenanthrene-d10	-----ISTD-----								
65)		4,6-Dinitro-2-...		0.077	0.085	0.095	0.101	0.107	0.110	0.096	13.49
66)	c	n-Nitrosodiphe...	0.669	0.644	0.583	0.543	0.548	0.564	0.543	0.585	8.79
67)		4-Bromophenyl-...	0.250	0.236	0.220	0.205	0.208	0.214	0.211	0.221	7.48
68)		Hexachlorobenzene	0.300	0.285	0.265	0.241	0.245	0.252	0.251	0.263	8.40
69)		Atrazine	0.213	0.209	0.196	0.191	0.186	0.197	0.189	0.197	5.20
70)	C	Pentachlorophenol	0.098	0.111	0.121	0.129	0.135	0.142	0.145	0.126	13.56
71)		Phenanthrene	1.277	1.203	1.073	0.998	1.007	1.039	0.988	1.084	10.39
72)		Anthracene	1.189	1.129	1.028	0.965	0.980	1.009	0.960	1.037	8.50
73)		Carbazole	1.136	1.089	0.983	0.927	0.924	0.983	0.926	0.995	8.57
74)		Di-n-butylphth...	1.243	1.228	1.152	1.116	1.139	1.178	1.135	1.170	4.17
75)	C	Fluoranthene	1.432	1.371	1.253	1.168	1.185	1.204	1.155	1.253	8.60
76)	I	Chrysene-d12	-----ISTD-----								
77)		Benzidine	0.443	0.405	0.383	0.498	0.487	0.487	0.497	0.457	10.37
78)		Pyrene	1.553	1.340	1.229	1.184	1.237	1.281	1.261	1.298	9.44
79)	S	Terphenyl-d14		1.063	0.957	0.855	0.875	0.876	0.828	0.909	9.56
80)		Butylbenzylpht...	0.510	0.512	0.496	0.520	0.548	0.575	0.580	0.534	6.28
81)		Benzo(a) anthra...	1.431	1.376	1.227	1.159	1.176	1.214	1.187	1.253	8.51
82)		3,3'-Dichlorob...	0.464	0.477	0.458	0.449	0.456	0.466	0.456	0.461	2.01
83)		Chrysene	1.421	1.324	1.160	1.096	1.130	1.148	1.117	1.199	10.26
84)		Bis(2-ethylhex...	0.776	0.795	0.749	0.746	0.768	0.800	0.768	0.772	2.68
85)	c	Di-n-octyl pht...	1.334	1.257	1.235	1.270	1.349	1.434	1.385	1.323	5.50
86)	I	Perylene-d12	-----ISTD-----								
87)		Indeno(1,2,3-c...	1.619	1.768	1.455	1.325	1.407	1.473	1.392	1.491	10.21
88)		Benzo(b) fluora...	1.475	1.335	1.216	1.095	1.223	1.214	1.144	1.243	10.17
89)		Benzo(k) fluora...	1.390	1.317	1.182	1.072	1.139	1.126	1.088	1.188	10.14

90)	C	Benzo(a)pyrene	1.270	1.232	1.125	1.036	1.130	1.145	1.135	1.153	6.66
91)		Dibenzo(a,h)an...	1.353	1.465	1.204	1.088	1.151	1.195	1.120	1.225	11.08
92)		Benzo(g,h,i)pe...	1.322	1.418	1.174	1.091	1.187	1.187	1.229	1.230	8.79

(#) = Out of Range

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