

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF082720.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Aug 28 10:36:39 2020
 Response Via : Initial Calibration

Calibration Files

5 =BF121442.D 10 =BF121443.D 20 =BF121444.D 40 =BF121445.D 50 =BF121446.D 60 =BF121447.D 80 =BF121448.D

Compound		5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.701	0.630	0.554	0.519	0.523	0.533	0.520	0.568	12.35
3)	Pyridine	1.871	1.675	1.546	1.439	1.424	1.464	1.418	1.548	10.93
4)	n-Nitrosodimet...	0.798	0.721	0.677	0.644	0.645	0.659	0.645	0.684	8.38
5) S	2-Fluorophenol	1.431	1.362	1.235	1.107	1.087	1.090	1.032	1.192	12.91
6)	Aniline	2.359	2.164	1.984	1.903	1.853	1.877	1.695	1.977	11.15
7) S	Phenol-d6	2.059	1.895	1.696	1.546	1.503	1.517	1.445	1.666	13.87
8)	2-Chlorophenol	1.320	1.329	1.252	1.188	1.147	1.159	1.075	1.210	7.78
9)	Benzaldehyde		1.165	1.004	0.804	0.729	0.692	0.507	0.817	28.73
10) C	Phenol	1.912	1.754	1.614	1.609	1.554	1.539	1.426	1.630	9.75
11)	bis(2-Chloroet...	1.619	1.477	1.320	1.217	1.194	1.216	1.225	1.324	12.34
12)	1,3-Dichlorobe...	1.870	1.682	1.484	1.341	1.305	1.302	1.212	1.457	16.41
13) C	1,4-Dichlorobe...	1.863	1.683	1.498	1.352	1.305	1.318	1.201	1.460	16.22
14)	1,2-Dichlorobe...	1.773	1.619	1.421	1.259	1.189	1.171	1.082	1.359	18.86
15)	Benzyl Alcohol	1.272	1.211	1.129	1.056	1.018	1.019	0.949	1.093	10.59
16)	2,2'-oxybis(1-...	2.432	2.227	2.000	1.828	1.772	1.786	1.686	1.961	14.01
17)	2-Methylphenol	1.244	1.152	1.042	0.989	0.968	0.993	0.981	1.053	10.00
18)	Hexachloroethane	0.547	0.540	0.506	0.484	0.476	0.486	0.459	0.500	6.62
19) P	n-Nitroso-di-n...	1.115	1.038	0.942	0.881	0.845	0.857	0.839	0.931	11.56
20)	3+4-Methylphenols	1.566	1.496	1.330	1.196	1.132	1.127	1.070	1.274	15.26
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.626	0.571	0.501	0.442	0.439	0.443	0.428	0.493	15.75
23) S	Nitrobenzene-d5		0.212	0.262	0.295	0.317	0.337	0.333	0.293	16.52
24)	Nitrobenzene	0.191	0.245	0.286	0.311	0.333	0.348	0.339	0.293	19.58
25)	Isophorone	0.758	0.718	0.638	0.603	0.614	0.634	0.640	0.658	8.77
26) C	2-Nitrophenol	0.041	0.052	0.072	0.102	0.127	0.145	0.155	0.099	45.96#
27)	2,4-Dimethylph...	0.296	0.289	0.264	0.258	0.264	0.272	0.268	0.273	5.12
28)	bis(2-Chloroet...	0.523	0.495	0.443	0.416	0.418	0.425	0.412	0.447	9.85
29) C	2,4-Dichloroph...	0.256	0.272	0.267	0.265	0.272	0.280	0.274	0.269	2.89
30)	1,2,4-Trichlor...	0.403	0.373	0.326	0.302	0.305	0.307	0.294	0.330	12.65
31)	Naphthalene	1.262	1.162	1.005	0.901	0.888	0.885	0.847	0.993	16.09
32)	Benzoic acid		0.064	0.095	0.143	0.178	0.199	0.226	0.151	41.39
33)	4-Chloroaniline	0.516	0.487	0.430	0.409	0.415	0.433	0.404	0.442	9.67
34) C	Hexachlorobuta...	0.238	0.224	0.198	0.180	0.180	0.181	0.173	0.196	12.87
35)	Caprolactam	0.071	0.085	0.086	0.088	0.091	0.095	0.098	0.088	10.02
36) C	4-Chloro-3-met...	0.302	0.302	0.279	0.268	0.272	0.281	0.285	0.284	4.76
37)	2-Methylnaphth...	0.825	0.763	0.669	0.602	0.587	0.585	0.573	0.658	15.15
38)	1-Methylnaphth...	0.768	0.720	0.632	0.571	0.556	0.561	0.542	0.621	14.40

39)	I	Acenaphthene-d10	-----ISTD-----								
40)		1,2,4,5-Tetrac...	0.734	0.681	0.601	0.541	0.541	0.539	0.512	0.593	14.19
41)	P	Hexachlorocycl...	0.206	0.220	0.241	0.253	0.271	0.280	0.274	0.249	11.43
42)	S	2,4,6-Tribromo...	0.155	0.186	0.203	0.206	0.213	0.225	0.226	0.202	12.23
43)	C	2,4,6-Trichlor...	0.322	0.352	0.373	0.377	0.390	0.399	0.409	0.375	7.93
44)		2,4,5-Trichlor...	0.323	0.374	0.373	0.368	0.385	0.399	0.373	0.371	6.38
45)	S	2-Fluorobiphenyl		1.599	1.353	1.104	1.078	1.063		1.240	18.82
46)		1,1'-Biphenyl	1.930	1.779	1.571	1.370	1.344	1.334	1.237	1.509	17.20
47)		2-Chloronaphth...	1.556	1.425	1.267	1.127	1.129	1.124	1.056	1.240	14.98
48)		2-Nitroaniline	0.108	0.158	0.233	0.299	0.340	0.371	0.379	0.270	39.47
49)		Acenaphthylene	2.327	2.152	1.909	1.698	1.689	1.682	1.568	1.861	15.16
50)		Dimethylphthalate	1.591	1.556	1.384	1.256	1.274	1.277	1.278	1.374	10.41
51)		2,6-Dinitrotol...	0.079	0.120	0.174	0.224	0.254	0.274	0.278	0.201	38.98
52)	C	Acenaphthene	1.451	1.335	1.182	1.066	1.076	1.085	1.030	1.175	13.57
53)		3-Nitroaniline	0.117	0.175	0.242	0.295	0.325	0.350	0.346	0.264	34.14
54)	P	2,4-Dinitrophenol		0.031	0.041	0.061	0.081	0.095	0.119	0.071	46.83
55)		Dibenzofuran	2.129	2.002	1.746	1.550	1.539	1.546	1.435	1.707	15.48
56)	P	4-Nitrophenol		0.131	0.172	0.216	0.242	0.258	0.271	0.215	25.19
57)		2,4-Dinitrotol...	0.084	0.126	0.194	0.266	0.314	0.338	0.347	0.238	44.26
58)		Fluorene	1.681	1.571	1.348	1.137	1.115	1.108	1.045	1.287	19.63
59)		2,3,4,6-Tetrac...	0.248	0.292	0.312	0.318	0.328	0.339	0.324	0.309	9.94
60)		Diethylphthalate	1.585	1.591	1.407	1.277	1.278	1.280	1.244	1.380	10.95
61)		4-Chlorophenyl...	0.836	0.781	0.668	0.571	0.563	0.562	0.531	0.645	18.77
62)		4-Nitroaniline	0.156	0.218	0.276	0.303	0.329	0.351	0.355	0.284	25.98
63)		Azobenzene	1.664	1.595	1.390	1.243	1.239	1.261	1.162	1.365	14.22
64)	I	Phenanthrene-d10	-----ISTD-----								
65)		4,6-Dinitro-2-...		0.022	0.030	0.046	0.060	0.070	0.082	0.052	45.08
66)	c	n-Nitrosodiphe...	0.769	0.719	0.635	0.583	0.581	0.586	0.554	0.633	12.83
67)		4-Bromophenyl-...	0.260	0.250	0.220	0.202	0.204	0.206	0.199	0.220	11.33
68)		Hexachlorobenzene	0.309	0.290	0.256	0.233	0.238	0.242	0.234	0.257	11.71
69)		Atrazine	0.205	0.209	0.185	0.173	0.174	0.174	0.163	0.183	9.45
70)	C	Pentachlorophenol	0.080	0.097	0.111	0.125	0.132	0.138	0.139	0.118	18.95
71)		Phenanthrene	1.328	1.234	1.056	0.920	0.896	0.902	0.849	1.026	18.24
72)		Anthracene	1.292	1.214	1.042	0.910	0.901	0.891	0.816	1.009	17.90
73)		Carbazole	1.216	1.148	0.995	0.873	0.879	0.873	0.830	0.973	15.66
74)		Di-n-butylphth...	1.193	1.320	1.158	1.003	0.989	0.999	0.908	1.081	13.44
75)	C	Fluoranthene	1.409	1.349	1.131	0.993	0.978	0.962	0.920	1.106	17.91
76)	I	Chrysene-d12	-----ISTD-----								
77)		Benzidine	0.471	0.523	0.423	0.413	0.428	0.416	0.379	0.436	10.75
78)		Pyrene	1.700	1.599	1.465	1.318	1.320	1.342	1.255	1.428	11.63
79)	S	Terphenyl-d14	1.229	1.138	0.982	0.825	0.834	0.845	0.797	0.950	18.11
80)		Butylbenzylpht...	0.447	0.531	0.569	0.564	0.574	0.594	0.573	0.550	8.92
81)		Benzo(a) anthra...	1.542	1.432	1.244	1.081	1.083	1.100	1.063	1.221	15.92
82)		3,3'-Dichlorob...	0.508	0.517	0.473	0.421	0.410	0.412	0.389	0.447	11.51
83)		Chrysene	1.532	1.399	1.243	1.098	1.093	1.127	1.059	1.221	14.78
84)		Bis(2-ethylhex...	0.689	0.822	0.771	0.682	0.686	0.701	0.623	0.711	9.22
85)	c	Di-n-octyl pht...	1.017	1.237	1.280	1.219	1.238	1.262	1.178	1.204	7.38
86)	I	Perylene-d12	-----ISTD-----								
87)		Indeno(1,2,3-c...	1.561	1.390	1.217	1.058	1.110	1.133	1.144	1.231	14.69
88)		Benzo(b) fluora...	1.540	1.385	1.295	1.187	1.226	1.256	1.217	1.301	9.51
89)		Benzo(k) fluora...	1.570	1.425	1.193	1.030	1.122	1.186	0.946	1.210	18.06

90)	C	Benzo(a)pyrene	1.413	1.283	1.152	1.030	1.099	1.133	1.079	1.170	11.37
91)		Dibenzo(a,h)an...	1.296	1.149	1.010	0.874	0.899	0.918	0.905	1.007	15.77
92)		Benzo(g,h,i)pe...	1.269	1.093	0.949	0.831	0.857	0.890	0.903	0.970	16.19

(#) = Out of Range

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