

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF032122.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Mar 22 02:16:33 2022
 Response Via : Initial Calibration

Calibration Files

5 =BF127414.D 10 =BF127415.D 20 =BF127416.D 40 =BF127417.D 50 =BF127418.D 60 =BF127419.D 80 =BF127420.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.646	0.555	0.538	0.506	0.602	0.539	0.466	0.550	10.80
3)	Pyridine	1.762	1.465	1.622	1.542	1.535	1.475	1.471	1.553	6.91
4)	n-Nitrosodimet...	0.944	0.808	0.898	0.838	0.853	0.825	0.803	0.853	6.05
5) S	2-Fluorophenol	1.536	1.316	1.357	1.225	1.170	1.119	1.049	1.253	13.12
6)	Aniline	2.269	2.218	2.160	2.036	1.963	1.874	1.786	2.044	8.85
7) S	Phenol-d6	1.992	1.880	1.837	1.677	1.607	1.540	1.456	1.713	11.43
8)	2-Chlorophenol	1.459	1.405	1.387	1.269	1.207	1.156	1.080	1.280	11.04
9)	Benzaldehyde		1.162	1.108	0.897	0.841	0.820		0.965	16.40
10) C	Phenol	2.095	2.063	2.052	1.853	1.762	1.670	1.561	1.865	11.34
11)	bis(2-Chloroet...	1.505	1.464	1.470	1.344	1.323	1.245	1.203	1.365	8.64
12)	1,3-Dichlorobe...	1.708	1.584	1.515	1.402	1.360	1.287	1.224	1.440	11.90
13) C	1,4-Dichlorobe...	1.669	1.610	1.562	1.421	1.356	1.296	1.226	1.449	11.60
14)	1,2-Dichlorobe...	1.718	1.517	1.476	1.310	1.272	1.172		1.411	14.05
15)	Benzyl Alcohol	1.407	1.382	1.343	1.246	1.174	1.115	1.046	1.245	11.17
16)	2,2'-oxybis(1-...	2.877	2.719	2.628	2.431	2.309	2.186	2.042	2.456	12.24
17)	2-Methylphenol	1.207	1.181	1.177	1.057	1.027	0.972	0.943	1.081	9.95
18)	Hexachloroethane	0.627	0.557	0.561	0.517	0.513	0.479	0.459	0.530	10.70
19) P	n-Nitroso-di-n...	1.258	1.137	1.094	0.986	0.936	0.892	0.884	1.027	13.70
20)	3+4-Methylphenols		1.562	1.471	1.297	1.215	1.118		1.333	13.67
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.605	0.562	0.549	0.489	0.470	0.465	0.439	0.511	11.93
23) S	Nitrobenzene-d5	0.516	0.488	0.495	0.455	0.449	0.446	0.426	0.468	6.87
24)	Nitrobenzene	0.482	0.474	0.468	0.439	0.435	0.425	0.401	0.446	6.57
25)	Isophorone	0.727	0.760	0.771	0.745	0.740	0.742	0.731	0.745	2.08
26) C	2-Nitrophenol	0.191	0.191	0.194	0.186	0.186	0.183	0.180	0.187	2.55
27)	2,4-Dimethylph...	0.299	0.288	0.300	0.282	0.270	0.269	0.261	0.282	5.43
28)	bis(2-Chloroet...	0.530	0.511	0.509	0.474	0.467	0.453	0.445	0.484	6.68
29) C	2,4-Dichloroph...	0.346	0.330	0.339	0.316	0.308	0.305	0.293	0.320	6.02
30)	1,2,4-Trichlor...	0.426	0.398	0.389	0.361	0.357	0.344	0.332	0.372	8.89
31)	Naphthalene	1.204	1.153	1.145	1.034	0.997	0.973	0.926	1.062	9.93
32)	Benzoic acid		0.094	0.122	0.154	0.159	0.170		0.140	22.60
33)	4-Chloroaniline	0.444	0.436	0.438	0.403	0.398	0.383	0.377	0.411	6.73
34) C	Hexachlorobuta...	0.262	0.248	0.249	0.231	0.227	0.226	0.212	0.236	7.21
35)	Caprolactam	0.097	0.094	0.099	0.101	0.096	0.094	0.108	0.099	4.84
36) C	4-Chloro-3-met...	0.378	0.359	0.360	0.342	0.337	0.324	0.326	0.347	5.73
37)	2-Methylnaphth...	0.769	0.735	0.734	0.668	0.652	0.612	0.610	0.683	9.32
38)	1-Methylnaphth...	0.825	0.725	0.715	0.650	0.630	0.595	0.586	0.675	12.63

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.705	0.662	0.681	0.608	0.616	0.612	0.567	0.636	7.59
41) P	Hexachlorocycl...	0.045	0.100	0.147	0.172	0.199	0.217	0.147		44.08
42) S	2,4,6-Tribromo...	0.259	0.208	0.214	0.203	0.203	0.211	0.194	0.213	9.96
43) C	2,4,6-Trichlor...	0.383	0.383	0.411	0.379	0.381	0.381	0.372	0.384	3.23
44)	2,4,5-Trichlor...	0.380	0.388	0.427	0.407	0.405	0.392	0.371	0.396	4.75
45) S	2-Fluorobiphenyl	1.611	1.540	1.476	1.278	1.264	1.254	1.165	1.370	12.42
46)	1,1'-Biphenyl	1.871	1.635	1.578	1.424	1.413	1.335	1.317	1.511	13.11
47)	2-Chloronaphth...	1.418	1.266	1.273	1.136	1.118	1.056	1.060	1.189	11.27
48)	2-Nitroaniline	0.496	0.460	0.473	0.442	0.449	0.436	0.434	0.456	4.93
49)	Acenaphthylene	2.091	1.971	1.934	1.739	1.684	1.644	1.524	1.798	11.34
50)	Dimethylphthalate	1.677	1.427	1.433	1.332	1.312	1.271	1.288	1.391	10.16
51)	2,6-Dinitrotol...	0.327	0.295	0.308	0.283	0.280	0.283	0.268	0.292	6.80
52) C	Acenaphthene	1.187	1.132	1.116	1.020	1.004	0.953	0.932	1.049	9.22
53)	3-Nitroaniline	0.343	0.335	0.334	0.311	0.317	0.303	0.300	0.320	5.29
54) P	2,4-Dinitrophenol	0.046	0.092	0.125	0.134	0.137	0.152	0.114		33.96
55)	Dibenzofuran	2.193	1.760	1.781	1.560	1.508	1.460		1.710	15.83
56) P	4-Nitrophenol	0.124	0.158	0.172	0.177	0.167	0.180	0.163		12.60
57)	2,4-Dinitrotol...	0.465	0.399	0.396	0.364	0.350	0.338	0.320	0.376	12.95
58)	Fluorene	1.752	1.403	1.350	1.211	1.181	1.219		1.353	15.83
59)	2,3,4,6-Tetrac...	0.385	0.344	0.358	0.331	0.337	0.347	0.347	0.350	5.09
60)	Diethylphthalate	1.612	1.306	1.294	1.197	1.179	1.206	1.102	1.271	13.06
61)	4-Chlorophenyl...	0.912	0.737	0.723	0.648	0.641	0.654		0.719	14.32
62)	4-Nitroaniline	0.345	0.307	0.312	0.287	0.287	0.293	0.269	0.300	8.13
63)	Azobenzene	1.919	1.533	1.532	1.421	1.381	1.418	1.291	1.500	13.58
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.098	0.123	0.127	0.131	0.129	0.131	0.123		10.42
66) c	n-Nitrosodiphe...	0.686	0.664	0.648	0.581	0.577	0.564	0.543	0.609	9.14
67)	4-Bromophenyl-...	0.251	0.250	0.248	0.226	0.223	0.219	0.217	0.234	6.66
68)	Hexachlorobenzene	0.280	0.268	0.271	0.245	0.244	0.239	0.237	0.255	6.90
69)	Atrazine	0.242	0.224	0.223	0.203	0.185	0.175	0.167	0.203	13.81
70) C	Pentachlorophenol	0.047	0.072	0.088	0.089	0.093	0.101	0.082		23.90
71)	Phenanthrene	1.225	1.137	1.118	0.989	0.971	0.949	0.910	1.043	11.22
72)	Anthracene	1.200	1.123	1.121	0.985	0.968	0.943	0.904	1.035	10.81
73)	Carbazole	1.144	1.086	1.066	0.950	0.925	0.892	0.863	0.990	10.92
74)	Di-n-butylphth...	1.114	1.089	1.097	0.993	0.980	0.969	0.927	1.024	7.23
75) C	Fluoranthene	1.334	1.257	1.232	1.103	1.072	1.055	0.975	1.147	11.25
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.478	0.493	0.555	0.429	0.421	0.477	0.486	0.477	9.35
78)	Pyrene	1.731	1.649	1.730	1.628	1.731	1.803	1.744	1.716	3.45
79) S	Terphenyl-d14	1.308	1.214	1.243	1.160	1.200	1.223	1.204	1.222	3.75
80)	Butylbenzylpht...	0.532	0.540	0.582	0.567	0.596	0.567	0.572	0.565	3.98
81)	Benzo(a)anthra...	1.477	1.390	1.379	1.296	1.300	1.257	1.264	1.337	6.05
82)	3,3'-Dichlorob...	0.420	0.422	0.423	0.379	0.372	0.373	0.363	0.393	6.93
83)	Chrysene	1.406	1.319	1.325	1.222	1.230	1.195	1.168	1.267	6.74
84)	Bis(2-ethylhex...	0.641	0.643	0.688	0.657	0.681	0.622	0.640	0.653	3.62
85) c	Di-n-octyl pht...	0.849	0.866	0.859	0.867	0.867	0.861	0.913	0.869	2.36

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.159	1.152	1.454	1.431	1.455	1.413	1.409	1.353	10.08	
88)	Benzo(b)fluora...	1.406	1.384	1.353	1.268	1.185	1.095	1.136	1.261	9.91	
89)	Benzo(k)fluora...	1.534	1.428	1.446	1.202	1.130	1.105		1.307	14.04	
90) C	Benzo(a)pyrene	1.122	1.065	1.096	1.016	0.998	0.969	0.977	1.035	5.79	
91)	Dibenzo(a,h)an...	0.958	0.946	1.207	1.186	1.208	1.151	1.165	1.117	10.28	
92)	Benzo(g,h,i)pe...	0.987	0.963	1.238	1.224	1.253	1.209	1.211	1.155	10.74	

(#) = Out of Range