

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF103015.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Oct 31 00:17:39 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF082579.D 10 =BF082580.D 25 =BF082581.D 40 =BF082582.D 50 =BF082583.D 60 =BF082584.D 80 =BF082585.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.695	0.587	0.649	0.591	0.585	0.587	0.602	0.614	6.87
3)	Pyridine	1.910	1.720	1.716	1.833	1.793	1.775	1.852	1.800	3.92
4)	n-Nitrosodimet...	1.129	0.957	1.037	0.977	0.992	0.996	1.004	1.013	5.60
5) S	2-Fluorophenol	1.576	1.327	1.354	1.376	1.262	1.206	1.193	1.328	9.82
6)	Aniline	2.810	2.475	2.552	2.449	2.292	2.291	2.324	2.456	7.54
7) S	Phenol-d6	1.949	1.887	1.821	1.663	1.668	1.717	1.643	1.764	6.90
8)	2-Chlorophenol	1.650	1.473	1.473	1.376	1.445	1.393	1.248	1.437	8.50
9)	Benzaldehyde	1.526	1.298	1.187	1.109	1.098	1.142	1.070	1.204	13.33
10) C	Phenol	2.124	2.227	1.981	1.971	1.801	2.163	1.726	1.999	9.35
11)	bis(2-Chloroet...	1.654	1.409	1.674	1.279	1.510	1.502	1.294	1.475	10.69
12)	1,3-Dichlorobe...	1.891	1.620	1.655	1.498	1.528	1.634	1.644	1.638	7.73
13) C	1,4-Dichlorobe...	1.889	1.731	1.810	1.565	1.438	1.443	1.499	1.625	11.31
14)	1,2-Dichlorobe...	1.729	1.447	1.566	1.562	1.555	1.443	1.256	1.508	9.71
15)	Benzyl Alcohol	1.994	1.595	1.686	1.676	1.438	1.460	1.667	1.645	11.23
16)	2,2'-oxybis(1-...	2.602	2.251	2.428	2.264	2.322	2.316	2.224	2.344	5.62
17)	2-Methylphenol	1.406	1.201	1.245	1.228	1.140	1.118	1.214	1.222	7.67
18)	Hexachloroethane	0.694	0.657	0.692	0.625	0.597	0.596	0.579	0.634	7.45
19) P	n-Nitroso-di-n...	1.597	1.284	1.524	1.243	1.261	1.186	1.265	1.337	11.74
20)	3+4-Methylphenols	1.857	1.540	1.687	1.437	1.587	1.409	1.597	1.588	9.62
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.616	0.596	0.598	0.642	0.572	0.522	0.575	0.589	6.44
23) S	Nitrobenzene-d5	0.527	0.447	0.550	0.497	0.466	0.496	0.445	0.490	8.13
24)	Nitrobenzene	0.462	0.513	0.493	0.535	0.512	0.429	0.520	0.495	7.52
25)	Isophorone	1.013	0.851	0.980	0.897	0.864	0.862	0.841	0.901	7.55
26) C	2-Nitrophenol	0.163	0.166	0.178	0.180	0.192	0.203	0.183	0.181	7.81
27)	2,4-Dimethylph...	0.369	0.337	0.400	0.366	0.320	0.321	0.359	0.353	8.23
28)	bis(2-Chloroet...	0.582	0.502	0.483	0.491	0.521	0.471	0.400	0.493	11.10
29) C	2,4-Dichloroph...	0.358	0.320	0.332	0.324	0.326	0.308	0.283	0.322	7.08
30)	1,2,4-Trichlor...	0.401	0.354	0.367	0.346	0.335	0.344	0.352	0.357	6.05
31)	Naphthalene	1.270	1.105	1.120	1.006	1.020	1.042	1.012	1.082	8.73
32)	Benzoic acid		0.219	0.258	0.270	0.271	0.279	0.239	0.256	8.87
33)	4-Chloroaniline	0.492	0.482	0.522	0.425	0.414	0.438	0.460	0.462	8.48
34) C	Hexachlorobuta...	0.236	0.215	0.242	0.226	0.218	0.224	0.228	0.227	4.13
35)	Caprolactam	0.109	0.093	0.112	0.097	0.092	0.099	0.089	0.099	8.98
36) C	4-Chloro-3-met...	0.382	0.340	0.434	0.355	0.409	0.387	0.345	0.379	9.17
37)	2-Methylnaphth...	0.773	0.703	0.798	0.756	0.662	0.618	0.599	0.701	11.11

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38)	I	Acenaphthene-d10	-----ISTD-----								
39)		1,2,4,5-Tetrac...	0.672	0.602	0.660	0.694	0.730	0.706	0.609	0.667	7.21
40)	P	Hexachlorocycl...	0.371	0.401	0.459	0.437	0.420	0.409	0.439	0.420	6.95
41)	S	2,4,6-Tribromo...	0.200	0.196	0.245	0.212	0.218	0.216	0.246	0.219	9.02
42)	C	2,4,6-Trichlor...	0.433	0.448	0.513	0.534	0.482	0.467	0.496	0.482	7.43
43)		2,4,5-Trichlor...	0.435	0.462	0.536	0.445	0.488	0.496	0.499	0.480	7.28
44)	S	2-Fluorobiphenyl	1.519	1.375	1.631	1.415	1.232	1.228	1.462	1.409	10.43
45)		1,1'-Biphenyl	1.862	1.517	1.680	1.856	1.825	1.618	1.467	1.689	9.67
46)		2-Chloronaphth...	1.433	1.225	1.311	1.407	1.384	1.277	1.198	1.319	6.95
47)		2-Nitroaniline	0.411	0.480	0.510	0.495	0.581	0.590	0.523	0.513	11.98
48)		Acenaphthylene	2.201	2.028	2.360	2.135	1.960	1.919	2.167	2.110	7.25
49)		Dimethylphthalate	1.932	1.454	1.772	1.531	1.652	1.728	1.365	1.633	12.05
50)		2,6-Dinitrotol...	0.330	0.301	0.346	0.379	0.315	0.305	0.395	0.339	10.86
51)	C	Acenaphthene	1.312	1.251	1.429	1.292	1.292	1.345	1.455	1.339	5.67
52)		3-Nitroaniline	0.313	0.323	0.396	0.390	0.428	0.368	0.418	0.377	11.79
53)	P	2,4-Dinitrophenol		0.078	0.155	0.150	0.163	0.183	0.181	0.152	25.34
54)		Dibenzofuran	1.898	1.770	1.980	1.696	1.759	1.691	1.929	1.818	6.42
55)	P	4-Nitrophenol	0.259	0.235	0.285	0.344	0.288	0.264	0.308	0.283	12.60
56)		2,4-Dinitrotol...	0.418	0.419	0.462	0.510	0.439	0.467	0.489	0.458	7.62
57)		Fluorene	1.537	1.404	1.600	1.404	1.371	1.358	1.588	1.466	7.16
58)		2,3,4,6-Tetrac...	0.401	0.393	0.433	0.388	0.396	0.392	0.438	0.406	5.13
59)		Diethylphthalate	1.619	1.662	1.694	1.722	1.727	1.661	1.555	1.663	3.66
60)		4-Chlorophenyl...	0.702	0.633	0.717	0.758	0.759	0.749	0.670	0.713	6.73
61)		4-Nitroaniline	0.321	0.339	0.358	0.361	0.408	0.349	0.379	0.359	7.74
62)		Azobenzene	1.918	1.695	1.677	2.001	2.062	1.970	1.804	1.875	8.10
63)	I	Phenanthrene-d10	-----ISTD-----								
64)		4,6-Dinitro-2-...		0.081	0.114	0.140	0.125	0.117	0.146	0.121	19.10
65)	c	n-Nitrosodiphe...	0.770	0.655	0.709	0.715	0.626	0.611	0.727	0.688	8.48
66)		4-Bromophenyl-...	0.229	0.208	0.221	0.217	0.238	0.237	0.237	0.227	5.22
67)		Hexachlorobenzene	0.262	0.240	0.244	0.230	0.257	0.258	0.268	0.251	5.39
68)		Atrazine	0.231	0.196	0.266	0.206	0.220	0.238	0.218	0.225	10.23
69)	C	Pentachlorophenol	0.133	0.138	0.172	0.185	0.182	0.182	0.168	0.166	13.03
70)		Phenanthrene	1.247	1.117	1.205	1.042	1.052	1.050	1.183	1.128	7.45
71)		Anthracene	1.291	1.067	1.142	1.229	1.134	1.093	0.995	1.136	8.74
72)		Carbazole	1.067	0.936	1.098	1.073	0.916	0.882	0.953	0.989	8.85
73)		Di-n-butylphth...	1.316	1.275	1.460	1.328	1.186	1.152	1.099	1.259	9.79
74)	C	Fluoranthene	1.229	1.130	1.244	1.100	1.113	1.037	1.220	1.153	6.79
75)	I	Chrysene-d12	-----ISTD-----								
76)		Benzidine	0.864	0.813	0.905	1.026	0.945	1.003	0.756	0.902	10.91
77)		Pyrene	1.538	1.402	1.640	1.514	1.358	1.438	1.477	1.481	6.33
78)	S	Terphenyl-d14	0.961	0.889	0.954	0.871	0.903	0.941	0.879	0.914	4.09
79)		Butylbenzylphth...	0.622	0.596	0.713	0.719	0.617	0.664	0.609	0.649	7.78
80)		Benzo(a)anthra...	1.311	1.223	1.344	1.327	1.230	1.279	1.179	1.270	4.84
81)		3,3'-Dichlorob...	0.419	0.404	0.468	0.447	0.442	0.428	0.457	0.438	5.08
82)		Chrysene	1.277	1.041	1.113	1.377	1.053	1.132	1.067	1.152	11.07

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83)	Bis(2-ethylhex...	0.795	0.739	0.873	0.958	0.841	0.877	0.803	0.841	8.40
84) c	Di-n-octyl pht...	1.177	1.144	1.323	1.489	1.321	1.399	1.328	1.312	9.13
85)	Indeno(1,2,3-c...	0.894	0.841	1.008	0.999	0.909	1.036	0.965	0.950	7.46
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.495	1.389	1.551	1.270	1.461	1.232	1.255	1.379	9.29
88)	Benzo(k)fluora...	0.942	0.938	0.984	1.199	0.907	1.195	1.190	1.051	12.99
89) C	Benzo(a)pyrene	1.082	0.993	1.159	1.104	1.068	1.077	1.120	1.086	4.75
90)	Dibenzo(a,h)an...	0.933	0.954	1.107	1.007	0.985	1.065	1.044	1.013	6.13
91)	Benzo(g,h,i)pe...	0.929	0.915	1.080	0.963	0.942	1.032	1.014	0.982	6.21

(#) = Out of Range