

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF110619.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

10 =BF117695.D 20 =BF117696.D 40 =BF117697.D 50 =BF117698.D 60 =BF117699.D 80 =BF117702.D 100 =BF117701.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.615	0.593	0.530	0.554	0.533	0.525	0.503	0.551	7.25
3)	Pyridine	1.663	1.619	1.454	1.522	1.465	1.462	1.415	1.514	6.13
4)	n-Nitrosodimet...	0.735	0.706	0.642	0.674	0.649	0.644	0.621	0.667	6.03
5) S	2-Fluorophenol	1.392	1.269	1.073	1.094	1.026	0.963	0.916	1.105	15.35
6)	Aniline	2.189	2.049	1.854	1.921	1.856	1.812	1.703	1.912	8.43
7) S	Phenol-d6	1.720	1.562	1.323	1.345	1.270	1.198	1.118	1.362	15.43
8)	2-Chlorophenol	1.520	1.402	1.207	1.228	1.155	1.091	1.001	1.229	14.53
9)	Benzaldehyde	1.240	1.137	0.945	0.942	0.887	0.786	0.697	0.948	19.91
10) C	Phenol	1.827	1.673	1.414	1.478	1.355	1.321	1.208	1.468	14.60
11)	bis(2-Chloroet...	1.476	1.341	1.182	1.205	1.153	1.102	1.025	1.212	12.50
12)	1,3-Dichlorobe...	1.771	1.638	1.390	1.406	1.335	1.255	1.178	1.425	14.75
13) C	1,4-Dichlorobe...	1.797	1.640	1.397	1.415	1.334	1.247	1.153	1.426	15.66
14)	1,2-Dichlorobe...	1.707	1.566	1.294	1.307	1.213	1.111	0.995	1.313	18.93
15)	Benzyl Alcohol	1.307	1.215	1.065	1.100	1.039	0.978	0.899	1.086	12.75
16)	2,2'-oxybis(1-...	2.346	2.169	1.878	1.912	1.820	1.714	1.578	1.917	13.71
17)	2-Methylphenol	1.243	1.160	1.017	1.049	1.009	0.981	0.931	1.056	10.29
18)	Hexachloroethane	0.625	0.578	0.511	0.532	0.503	0.487	0.454	0.527	10.97
19) P	n-Nitroso-di-n...	1.103	1.000	0.863	0.878	0.840	0.811	0.776	0.896	12.90
20)	3+4-Methylphenols	1.640	1.500	1.246	1.232	1.156	1.065	0.961	1.257	18.98
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.563	0.519	0.440	0.445	0.431	0.412	0.390	0.457	13.42
23) S	Nitrobenzene-d5	0.382	0.367	0.325	0.337	0.330	0.323	0.308	0.339	7.72
24)	Nitrobenzene	0.404	0.382	0.343	0.351	0.343	0.332	0.320	0.354	8.27
25)	Isophorone	0.727	0.686	0.609	0.632	0.629	0.629	0.624	0.648	6.52
26) C	2-Nitrophenol	0.156	0.162	0.159	0.169	0.168	0.171	0.165	0.164	3.31
27)	2,4-Dimethylph...	0.317	0.293	0.264	0.274	0.269	0.265	0.257	0.277	7.66
28)	bis(2-Chloroet...	0.493	0.454	0.396	0.409	0.400	0.387	0.372	0.416	10.20
29) C	2,4-Dichloroph...	0.318	0.304	0.276	0.286	0.278	0.272	0.263	0.285	6.73
30)	1,2,4-Trichlor...	0.382	0.356	0.318	0.326	0.316	0.304	0.285	0.327	9.96
31)	Naphthalene	1.172	1.069	0.892	0.893	0.848	0.791	0.734	0.914	16.91
32)	Benzoic acid	0.189	0.203	0.200	0.231	0.230	0.241	0.241	0.219	9.69
33)	4-Chloroaniline	0.492	0.463	0.409	0.419	0.410	0.397	0.384	0.425	9.07
34) C	Hexachlorobuta...	0.218	0.205	0.182	0.186	0.180	0.174	0.163	0.187	9.99
35)	Caprolactam	0.101	0.097	0.088	0.092	0.093	0.093	0.098	0.095	4.71
36) C	4-Chloro-3-met...	0.326	0.307	0.275	0.283	0.280	0.275	0.269	0.288	7.19
37)	2-Methylnaphth...	0.776	0.716	0.608	0.607	0.584	0.553	0.513	0.622	14.81
38)	1-Methylnaphth...	0.738	0.685	0.578	0.577	0.550	0.525	0.484	0.591	15.19

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.665	0.612	0.538	0.543	0.527	0.493	0.454	0.547	12.96	
41) P	Hexachlorocycl...	0.310	0.308	0.290	0.302	0.300	0.281	0.276	0.295	4.52	
42) S	2,4,6-Tribromo...	0.234	0.218	0.190	0.192	0.186	0.178	0.171	0.196	11.44	
43) C	2,4,6-Trichlor...	0.433	0.423	0.384	0.397	0.396	0.383	0.373	0.398	5.52	
44)	2,4,5-Trichlor...	0.460	0.418	0.395	0.408	0.391	0.389	0.366	0.404	7.28	
45) S	2-Fluorobiphenyl	1.325	1.064	1.041	0.956	0.885	0.811	1.014		17.71	
46)	1,1'-Biphenyl	1.821	1.641	1.377	1.360	1.287	1.206	1.113	1.401	17.74	
47)	2-Chloronaphth...	1.428	1.313	1.140	1.144	1.104	1.050	0.958	1.162	13.68	
48)	2-Nitroaniline	0.377	0.377	0.353	0.369	0.362	0.365	0.348	0.364	3.05	
49)	Acenaphthylene	2.152	1.968	1.663	1.666	1.578	1.493	1.330	1.693	16.59	
50)	Dimethylphthalate	1.634	1.492	1.308	1.316	1.283	1.244	1.186	1.352	11.56	
51)	2,6-Dinitrotol...	0.323	0.314	0.293	0.307	0.301	0.300	0.282	0.303	4.43	
52) C	Acenaphthene	1.351	1.242	1.067	1.069	1.021	0.982	0.915	1.092	13.96	
53)	3-Nitroaniline	0.396	0.380	0.351	0.370	0.361	0.356	0.343	0.365	4.95	
54) P	2,4-Dinitrophenol	0.073	0.087	0.097	0.109	0.114	0.123	0.124	0.104	18.60	
55)	Dibenzofuran	1.945	1.768	1.511	1.504	1.428	1.338	1.206	1.529	16.50	
56) P	4-Nitrophenol	0.280	0.279	0.267	0.275	0.273	0.279	0.271	0.275	1.78	
57)	2,4-Dinitrotol...	0.395	0.404	0.380	0.397	0.393	0.390	0.360	0.388	3.75	
58)	Fluorene	1.505	1.311	1.106	1.098	1.036	0.962	0.867	1.127	19.22	
59)	2,3,4,6-Tetrac...	0.374	0.361	0.327	0.340	0.328	0.322	0.298	0.336	7.62	
60)	Diethylphthalate	1.629	1.484	1.300	1.316	1.264	1.212	1.102	1.330	13.19	
61)	4-Chlorophenyl...	0.766	0.677	0.578	0.574	0.548	0.504	0.459	0.586	17.76	
62)	4-Nitroaniline	0.382	0.369	0.346	0.365	0.360	0.355	0.341	0.360	3.90	
63)	Azobenzene	1.575	1.436	1.230	1.237	1.186	1.116	1.036	1.259	14.79	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.060	0.070	0.076	0.086	0.087	0.090	0.090	0.080	14.23	
66) c	n-Nitrosodiphe...	0.728	0.669	0.571	0.589	0.553	0.530	0.495	0.591	13.75	
67)	4-Bromophenyl-...	0.258	0.241	0.211	0.218	0.210	0.200	0.191	0.218	10.69	
68)	Hexachlorobenzene	0.304	0.285	0.242	0.252	0.241	0.228	0.215	0.252	12.54	
69)	Atrazine	0.229	0.214	0.188	0.193	0.188	0.179	0.171	0.195	10.33	
70) C	Pentachlorophenol	0.145	0.145	0.137	0.148	0.139	0.138	0.134	0.141	3.61	
71)	Phenanthrene	1.263	1.138	0.925	0.941	0.870	0.823	0.749	0.959	18.88	
72)	Anthracene	1.269	1.136	0.925	0.927	0.868	0.825	0.726	0.954	19.60	
73)	Carbazole	1.124	1.018	0.851	0.855	0.798	0.753	0.704	0.872	17.09	
74)	Di-n-butylphth...	1.383	1.272	1.034	1.047	0.966	0.904	0.814	1.060	19.00	
75) C	Fluoranthene	1.293	1.159	0.953	0.954	0.890	0.837	0.765	0.979	18.94	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.801	0.792	0.707	0.714	0.665	0.593	0.595	0.695	12.11	
78)	Pyrene	1.709	1.594	1.400	1.447	1.404	1.354	1.312	1.460	9.69	
79) S	Terphenyl-d14	1.264	1.118	0.925	0.942	0.891	0.839	0.822	0.972	16.65	
80)	Butylbenzylpht...	0.705	0.678	0.645	0.683	0.678	0.676	0.656	0.674	2.88	
81)	Benzo(a)anthra...	1.498	1.379	1.204	1.231	1.194	1.125	1.083	1.245	11.70	
82)	3,3'-Dichlorob...	0.539	0.511	0.451	0.471	0.450	0.433	0.399	0.465	10.20	
83)	Chrysene	1.486	1.343	1.190	1.220	1.180	1.121	1.066	1.229	11.57	
84)	Bis(2-ethylhex...	1.012	0.923	0.838	0.870	0.847	0.817	0.784	0.870	8.75	
85) c	Di-n-octyl pht...	1.540	1.453	1.331	1.367	1.335	1.321	1.235	1.369	7.24	
86)	Indeno(1,2,3-c...	1.219	1.105	1.024	1.113	1.151	1.194	1.205	1.144	6.06	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.343	1.390	1.195	1.296	1.264	1.201	1.128	1.260	7.26
89)	Benzo(k)fluora...	1.354	1.221	1.143	1.113	1.063	1.057	0.913	1.123	12.35
90) C	Benzo(a)pyrene	1.176	1.167	1.052	1.101	1.064	1.054	1.029	1.092	5.36
91)	Dibenzo(a,h)an...	1.025	0.984	0.923	0.983	0.987	0.981	0.972	0.979	3.06
92)	Benzo(g,h,i)pe...	0.947	0.893	0.872	0.968	0.971	0.993	1.000	0.949	5.15

(#) = Out of Range