Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
Method File : 8270-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 01 16:06:12 2018
Response Via : Initial Calibration

Calibration Files
2.5 =BF110071.D 10 =BF110072.D 25 =BF110073.D
40 =BF110361.D 50 =BF110075.D 60 =BF110076.D

		Compound	2.5	10	25	40	50	60	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.686	0.662	0.648	0.633	0.623	0.633	0.643	3.70
3)		Pyridine	1.324	1.416	1.439	1.486	1.441	1.475	1.433	3.73
4)		n-Nitrosodimethyl	0.573	0.596	0.604	0.613	0.596	0.613	0.600	2.35
5)	S	2-Fluorophenol	1.291	1.346	1.267	1.226	1.170	1.172	1.228	6.35
6)		Aniline	2.116	2.123	2.108	2.055	1.982	2.003	2.046	3.60
7)	S	Phenol-d6	1.760	1.685	1.604	1.555	1.484	1.483	1.571	7.64
8)		2-Chlorophenol	1.496	1.511	1.477	1.425	1.346	1.362	1.416	5.87
9)		Benzaldehyde	1.249	1.190	1.030	0.939	0.832	0.769	0.954	22.64
10)	C	Phenol	1.769	1.798	1.711	1.671	1.600	1.639	1.679	5.11
11)		bis(2-Chloroethyl	1.508	1.451	1.403	1.363	1.321	1.336	1.381	5.63
12)		1,3-Dichlorobenze	1.688	1.681	1.601	1.543	1.490	1.484	1.558	6.55
13)	C	1,4-Dichlorobenze	1.750	1.713	1.607	1.557	1.494	1.487	1.576	7.69
14)		1,2-Dichlorobenze	1.596	1.641	1.520	1.455	1.378	1.366	1.463	8.86
15)		Benzyl Alcohol	1.216	1.275	1.256	1.231	1.182	1.179	1.208	4.41
16)		2,2'-oxybis(1-Chl	2.367	2.376	2.281	2.205	2.105	2.118	2.209	6.31
17)		2-Methylphenol	1.168	1.209	1.144	1.128	1.090	1.093	1.128	4.43
18)		Hexachloroethane	0.621	0.610	0.583	0.570	0.562	0.558	0.577	5.23
19)	P	n-Nitroso-di-n-pr	1.113	1.079	1.032	0.996	0.959	0.949	1.008	6.92
20)		3+4-Methylphenols	1.607	1.621	1.531	1.456	1.374	1.360	1.459	9.25
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.512	0.506	0.481	0.454	0.435	0.423	0.461	8.55
23)	S	Nitrobenzene-d5	0.346	0.349	0.348	0.342	0.328	0.326	0.337	3.43
24)		Nitrobenzene	0.359	0.365	0.360	0.352	0.339	0.335	0.348	4.21
25)		Isophorone	0.599	0.590	0.583	0.576	0.558	0.556	0.575	2.93
26)	C	2-Nitrophenol	0.142	0.161	0.170	0.174	0.171	0.171	0.166	6.91
27)		2,4-Dimethylpheno	0.288	0.288	0.278	0.275	0.268	0.264	0.275	4.00
28)		bis(2-Chloroethox	0.429	0.409	0.399	0.385	0.376	0.371	0.390	5.93
29)	C	2,4-Dichloropheno	0.285	0.291	0.289	0.280	0.269	0.267	0.277	4.24
30)		1,2,4-Trichlorobe	0.334	0.326	0.323	0.312	0.299	0.293	0.311	5.71
31)		Naphthalene	1.034	1.011	0.960	0.909	0.868	0.856	0.922	8.97
32)		Benzoic acid		0.180	0.197	0.219	0.216	0.224	0.212	9.72
33)		4-Chloroaniline	0.454	0.445	0.433	0.410	0.393	0.387	0.415	7.03
34)	C	Hexachlorobutadie	0.186	0.184	0.181	0.169	0.166	0.163	0.173	6.14
35)		Caprolactam		0.097	0.101	0.100	0.095	0.094	0.097	3.39
36)	C	4-Chloro-3-methyl	0.317	0.313	0.310	0.303	0.289	0.286	0.300	4.67
37)		2-Methylnaphthale	0.693	0.662	0.631	0.603	0.575	0.566	0.610	9.01
38)		1-Methylnaphthale	0.678	0.633	0.613	0.582	0.557	0.541	0.589	9.40
39)	I	Acenaphthene-d10	----------	ISTD	----------					
40)		1,2,4,5-Tetrachlo	0.691	0.672	0.636	0.622	0.596	0.587	0.623	7.64
41)	P	Hexachlorocyclope	0.265	0.317	0.330	0.340	0.328	0.328	0.319	7.80
42)	S	2,4,6-Tribromophe	0.214	0.208	0.208	0.200	0.191	0.188	0.198	6.58
43)	C	2,4,6-Trichloroph	0.399	0.425	0.411	0.411	0.397	0.391	0.402	3.74
44)		2,4,5-Trichloroph	0.445	0.433	0.441	0.430	0.413	0.413	0.425	4.03
45)	S	2-Fluorobiphenyl		1.509	1.386	1.279	1.213	1.173	1.274	12.09
46)		1,1'-Biphenyl	2.097	1.996	1.886	1.777	1.694	1.647	1.809	10.70
47)		2-Chloronaphthale	1.482	1.425	1.372	1.325	1.257	1.241	1.327	8.03
48)		2-Nitroaniline	0.370	0.413	0.417	0.413	0.405	0.400	0.402	4.01
49)		Acenaphthylene	2.160	2.086	1.998	1.912	1.812	1.771	1.916	9.18
50)		Dimethylphthalate	1.636	1.569	1.507	1.459	1.403	1.396	1.476	6.76
51)		2,6-Dinitrotoluen	0.299	0.321	0.333	0.333	0.319	0.316	0.318	4.00

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		Compound	2.5	10	25	40	50	60	Avg	%RSD
52)	C	Acenaphthene	1.428	1.353	1.307	1.256	1.205	1.189	1.268	8.05
53)		3-Nitroaniline	0.367	0.395	0.393	0.394	0.369	0.369	0.378	3.99
54)	P	2,4-Dinitrophenol		0.081	0.106	0.113	0.119	0.123	0.112	15.20
55)		Dibenzofuran	2.032	1.946	1.861	1.773	1.670	1.621	1.775	10.33
56)	P	4-Nitrophenol	0.225	0.282	0.296	0.302	0.288	0.288	0.280	9.06
57)		2,4-Dinitrotoluen	0.348	0.402	0.423	0.427	0.415	0.413	0.404	6.57
58)		Fluorene	1.563	1.451	1.374	1.304	1.234	1.207	1.321	11.65
59)		2,3,4,6-Tetrachlo	0.340	0.373	0.361	0.354	0.342	0.338	0.346	5.43
60)		Diethylphthalate	1.601	1.547	1.506	1.439	1.362	1.352	1.441	8.05
61)		4-Chlorophenyl-ph	0.822	0.768	0.732	0.685	0.648	0.632	0.697	11.70
62)		4-Nitroaniline	0.378	0.391	0.387	0.384	0.369	0.366	0.376	3.22
63)		Azobenzene	1.615	1.546	1.494	1.419	1.356	1.326	1.431	8.91
64)	I	Phenanthrene-d10	----------	ISTD	----------					
65)		4,6-Dinitro-2-met		0.074	0.086	0.095	0.094	0.098	0.091	10.62
66)	c	n-Nitrosodiphenyl	0.722	0.718	0.681	0.649	0.621	0.612	0.656	8.06
67)		4-Bromophenyl-phe	0.236	0.232	0.225	0.217	0.206	0.206	0.217	6.63
68)		Hexachlorobenzene	0.252	0.249	0.238	0.228	0.219	0.217	0.230	7.33
69)		Atrazine	0.237	0.229	0.218	0.209	0.197	0.188	0.207	11.04
70)	C	Pentachlorophenol	0.094	0.130	0.143	0.148	0.142	0.143	0.134	13.85
71)		Phenanthrene	1.253	1.160	1.087	1.021	0.953	0.944	1.046	12.10
72)		Anthracene	1.210	1.176	1.096	1.032	0.975	0.945	1.049	11.04
73)		Carbazole	1.194	1.132	1.065	1.004	0.948	0.935	1.024	10.83
74)		Di-n-butylphthala	1.305	1.275	1.212	1.155	1.085	1.065	1.157	9.84
75)	C	Fluoranthene	1.252	1.190	1.108	1.044	0.976	0.965	1.062	12.00
76)	I	Chrysene-d12	----------	ISTD	----------					
77)		Benzidine	0.945	0.900	0.628	0.610	0.538	0.464	0.681	28.85
78)		Pyrene	1.507	1.469	1.412	1.425	1.394	1.430	1.434	2.82
79)	S	Terphenyl-d14	1.116	1.051	0.955	0.936	0.885	0.917	0.962	9.33
80)		Butylbenzylphthal	0.577	0.617	0.627	0.633	0.623	0.643	0.622	3.48
81)		Benzo(a)anthracen	1.276	1.251	1.188	1.190	1.139	1.140	1.186	5.04
82)		3,3'-Dichlorobenz	0.474	0.475	0.449	0.422	0.385	0.362	0.413	14.02
83)		Chrysene	1.253	1.212	1.140	1.121	1.062	1.064	1.127	7.26
84)		Bis(2-ethylhexyl)	0.865	0.871	0.849	0.857	0.820	0.823	0.841	3.06
85)	c	Di-n-octyl phthal	1.330	1.377	1.335	1.322	1.289	1.265	1.308	3.57
86)		Indeno(1,2,3-cd)p	1.090	1.012	0.860	0.846	0.847	0.912	0.935	10.07
87)	I	Perylene-d12	----------	ISTD	----------					
88)		Benzo(b)fluoranth	1.154	1.172	1.233	1.179	1.120	1.108	1.155	3.82
89)		Benzo(k)fluoranth	1.252	1.173	1.136	1.146	1.100	1.114	1.135	6.05
90)	C	Benzo(a)pyrene	1.120	1.087	1.075	1.069	1.029	1.038	1.063	3.34
91)		Dibenzo(a,h)anthr	0.967	0.933	0.886	0.895	0.880	0.928	0.917	3.43
92)		Benzo(g,h,i)peryl	0.950	0.886	0.831	0.878	0.876	0.937	0.904	5.40

(#) = Out of Range ### Number of calibration levels exceeded format ###