Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP022624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Feb 27 02:05:05 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP019876.D 5 =BP019877.D 10 =BP019878.D 20 =BP019879.D 40 =BP019880.D 50 =BP019881.D 60 =BP019882.D 80 =BP0198
83.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.456	0.456	0.444	0.421	0.329			0.421	12.70
3)		Pyridine		1.255	1.515	1.493	1.379	1.109	0.999	1.273	1.289	14.81
4)		n-Nitrosodimet...		0.546	0.612	0.589	0.568	0.451	0.421	0.531	0.531	13.30
5)	S	2-Fluorophenol		1.197	1.368	1.272	1.183	1.166	1.235	1.108	1.218	6.88
6)		Aniline		2.083	2.346	2.280	2.190	2.248	2.364	2.067	2.225	5.32
7)	S	Phenol-d6		1.698	1.876	1.857	1.810	1.830	1.927	1.702	1.814	4.75
8)		2-Chlorophenol		1.251	1.351	1.350	1.321	1.314	1.360	1.252	1.314	3.50
9)		Benzaldehyde		1.038	1.223	1.141	1.017	0.970	1.056	0.803	1.035	12.79
10)	C	Phenol		1.681	1.892	1.861	1.789	1.817	1.928	1.695	1.809	5.22
11)		bis(2-Chloroet...		1.374	1.504	1.500	1.406	1.427	1.484	1.277	1.425	5.74
12)		1,3-Dichlorobe...		1.427	1.438	1.484	1.436	1.408	1.433	1.361	1.427	2.60
13)	C	1,4-Dichlorobe...		1.420	1.463	1.508	1.456	1.427	1.445	1.392	1.445	2.56
14)		1,2-Dichlorobe...		1.327	1.426	1.457	1.436	1.388	1.395	1.716	1.449	8.61
15)		Benzyl Alcohol		1.360	1.496	1.562	1.610	1.628	1.657	1.891	1.600	10.16
16)		2,2'-oxybis(1-...		1.357	1.437	1.584	1.440	1.447	1.466	1.917	1.521	12.29
17)		2-Methylphenol		1.130	1.260	1.348	1.346	1.341	1.362	1.683	1.353	12.35
18)		Hexachloroethane		0.496	0.550	0.576	0.566	0.524	0.485	0.722	0.560	14.13
19)	P	n-Nitroso-di-n...	1.096	1.203	1.341	1.425	1.401	1.359	1.345	1.793	1.370	14.78
20)		3+4-Methylphenols			1.754	1.863	1.887	1.849	1.836	2.475	1.944	13.58
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.538	0.564	0.660	0.574	0.702	0.738	0.573	0.621	12.55
23)	S	Nitrobenzene-d5		0.457	0.462	0.536	0.478	0.566	0.488	0.480	0.495	8.19
24)		Nitrobenzene		0.448	0.450	0.518	0.461	0.544	0.471	0.465	0.480	7.72
25)		Isophorone		0.829	0.844	0.921	0.864	0.862	0.851	0.865	0.862	3.36
26)	C	2-Nitrophenol		0.175	0.177	0.196	0.196	0.199	0.203	0.199	0.192	5.87
27)		2,4-Dimethylph...		0.294	0.305	0.327	0.322	0.325	0.323	0.321	0.317	3.92
28)		bis(2-Chloroet...		0.481	0.481	0.506	0.486	0.469	0.473	0.471	0.481	2.60
29)	C	2,4-Dichloroph...		0.324	0.332	0.364	0.363	0.365	0.375	0.350	0.353	5.31
30)		1,2,4-Trichlor...		0.379	0.383	0.403	0.392	0.389	0.403	0.368	0.388	3.30
31)		Naphthalene		1.053	1.055	1.118	1.079	1.070	1.079	1.042	1.071	2.34
32)		Benzoic acid		0.220	0.246	0.271	0.278	0.283	0.292	0.289	0.268	9.76
33)		4-Chloroaniline		0.453	0.465	0.503	0.500	0.495	0.506	0.484	0.487	4.15
34)	C	Hexachlorobuta...		0.280	0.278	0.295	0.286	0.285	0.291	0.260	0.282	4.02
35)		Caprolactam		0.117	0.129	0.132	0.133	0.131	0.135	0.135	0.130	4.68
36)	C	4-Chloro-3-met...		0.406	0.422	0.448	0.448	0.441	0.449	0.437	0.436	3.73
37)		2-Methylnaphth...		0.814	0.811	0.861	0.842	0.825	0.857	0.810	0.831	2.62
38)		1-Methylnaphth...		0.777	0.772	0.809	0.790	0.773	0.809	0.774	0.787	2.11

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.645	0.663	0.703	0.687	0.711	0.714	0.660	0.683	4.02
41)	P	Hexachlorocycl...	0.276	0.307	0.359	0.373	0.387	0.399	0.374	0.354	12.78
42)	S	2,4,6-Tribromo...	0.308	0.330	0.345	0.356	0.375	0.387	0.300	0.343	9.50
43)	C	2,4,6-Trichlor...	0.411	0.425	0.467	0.454	0.475	0.476	0.450	0.451	5.54
44)		2,4,5-Trichlor...	0.478	0.525	0.555	0.543	0.560	0.565	0.535	0.537	5.55
45)	S	2-Fluorobiphenyl	1.472	1.465	1.516	1.485	1.494	1.515	1.415	1.480	2.34
46)		1,1'-Biphenyl	1.401	1.402	1.482	1.439	1.441	1.448	1.411	1.432	2.05
47)		2-Chloronaphth...	1.081	1.090	1.143	1.115	1.133	1.120	1.098	1.112	2.06
48)		2-Nitroaniline	0.354	0.383	0.415	0.414	0.412	0.406	0.427	0.402	6.17
49)		Acenaphthylene	1.735	1.782	1.851	1.812	1.802	1.841	1.782	1.801	2.20
50)		Dimethylphthalate	1.601	1.643	1.671	1.652	1.624	1.646	1.591	1.633	1.75
51)		2,6-Dinitrotol...	0.327	0.344	0.362	0.355	0.360	0.364	0.349	0.351	3.71
52)	C	Acenaphthene	1.071	1.074	1.103	1.091	1.081	1.098	1.049	1.081	1.71
53)		3-Nitroaniline	0.297	0.345	0.354	0.358	0.357	0.362	0.363	0.348	6.72
54)	P	2,4-Dinitrophenol		0.189	0.214	0.236	0.246	0.248	0.241	0.229	10.05
55)		Dibenzofuran	1.810	1.852	1.895	1.880	1.882	1.912	1.686	1.845	4.21
56)	P	4-Nitrophenol	0.206	0.258	0.285	0.294	0.289	0.291	0.283	0.272	11.61
57)		2,4-Dinitrotol...	0.437	0.493	0.515	0.518	0.526	0.534	0.478	0.500	6.76
58)		Fluorene	1.473	1.541	1.558	1.528	1.551	1.577	1.247	1.497	7.66
59)		2,3,4,6-Tetrac...	0.459	0.477	0.514	0.509	0.526	0.529	0.436	0.493	7.25
60)		Diethylphthalate	1.581	1.666	1.718	1.662	1.643	1.680	1.342	1.613	7.83
61)		4-Chlorophenyl...	0.857	0.858	0.880	0.872	0.898	0.912	0.714	0.856	7.68
62)		4-Nitroaniline	0.309	0.359	0.384	0.389	0.387	0.390	0.318	0.362	9.69
63)		Azobenzene	1.499	1.569	1.627	1.560	1.513	1.530	1.214	1.502	8.90
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.100	0.123	0.139	0.145	0.146	0.149	0.148	0.136	13.54
66)	c	n-Nitrosodiphe...	0.574	0.559	0.590	0.584	0.573	0.580	0.558	0.574	2.09
67)		4-Bromophenyl-...	0.239	0.237	0.255	0.249	0.251	0.257	0.243	0.247	3.11
68)		Hexachlorobenzene	0.258	0.253	0.269	0.269	0.275	0.280	0.264	0.267	3.55
69)		Atrazine	0.221	0.237	0.250	0.247	0.243	0.248	0.234	0.240	4.31
70)	C	Pentachlorophenol	0.161	0.177	0.200	0.207	0.211	0.216	0.209	0.197	10.35
71)		Phenanthrene	1.048	1.040	1.109	1.085	1.069	1.090	1.032	1.068	2.68
72)		Anthracene	1.054	1.065	1.132	1.112	1.096	1.117	1.052	1.090	3.01
73)		Carbazole	0.890	0.949	1.011	0.990	0.983	0.992	0.942	0.965	4.28
74)		Di-n-butylphth...	1.128	1.231	1.289	1.255	1.201	1.235	1.112	1.207	5.43
75)	C	Fluoranthene	1.271	1.358	1.439	1.438	1.425	1.442	1.327	1.385	4.89
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.482	0.520	0.598	0.638	0.642	0.583	0.558	0.574	10.29
78)		Pyrene	1.534	1.331	1.392	1.355	1.337	1.370	1.300	1.374	5.56
79)	S	Terphenyl-d14	1.398	1.228	1.267	1.240	1.250	1.289	1.211	1.269	4.92
80)		Butylbenzylpht...	0.550	0.561	0.585	0.553	0.532	0.549	0.518	0.549	3.86
81)		Benzo(a)anthra...	1.401	1.381	1.466	1.423	1.417	1.453	1.396	1.420	2.17
82)		3,3'-Dichlorob...	0.491	0.534	0.573	0.548	0.549	0.569	0.547	0.544	4.96
83)		Chrysene	1.324	1.310	1.378	1.323	1.325	1.348	1.304	1.330	1.90
84)		Bis(2-ethylhex...	0.745	0.823	0.855	0.802	0.762	0.796	0.739	0.789	5.41
85)	c	Di-n-octyl pht...	1.137	1.385	1.458	1.347	1.284	1.341	1.237	1.313	7.96

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86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.286	1.359	1.462	1.449	1.408	1.456	1.437	1.408	4.59
88)		Benzo(b)fluora...	1.220	1.218	1.246	1.201	1.244	1.252	1.203	1.226	1.71
89)		Benzo(k)fluora...	1.185	1.148	1.246	1.238	1.168	1.227	1.205	1.203	3.07
90)	C	Benzo(a)pyrene	1.121	1.137	1.209	1.192	1.171	1.201	1.170	1.172	2.78
91)		Dibenzo(a,h)an...	1.082	1.136	1.232	1.212	1.184	1.229	1.211	1.184	4.69
92)		Benzo(g,h,i)pe...	1.052	1.099	1.191	1.180	1.142	1.177	1.158	1.143	4.41

(#) = Out of Range