Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG102516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 26 11:14:13 2016
Response Via : Initial Calibration

Calibration Files
2.5 =BG024493.D 10 =BG024494.D 25 =BG024495.D 40 =BG024496.D 50 =BG024497.D 60 =BG024498.D 80 =BG024499.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------						
2)		1,4-Dioxane	0.403	0.542	0.548	0.480	0.498	0.511	0.508	0.499	9.70
3)		Pyridine	1.393	1.471	1.562	1.440	1.511	1.530	1.541	1.493	4.07
4)		n-Nitrosodimet...	0.814	0.749	0.798	0.762	0.747	0.768	0.770	0.773	3.22
5)	S	2-Fluorophenol	1.305	1.250	1.269	1.160	1.184	1.193	1.182	1.220	4.43
6)		Aniline	2.184	2.081	2.146	2.078	2.082	2.110	2.162	2.121	2.05
7)	S	Phenol-d6	1.601	1.717	1.747	1.632	1.653	1.675	1.693	1.674	3.00
8)		2-Chlorophenol	1.187	1.293	1.348	1.172	1.221	1.216	1.247	1.241	4.98
9)		Benzaldehyde	1.257	1.153	1.147	1.001	0.933	0.898	0.852	1.034	14.75
10)	C	Phenol	1.752	1.756	1.725	1.667	1.697	1.722	1.760	1.725	1.99
11)		bis(2-Chloroet...	1.235	1.381	1.370	1.223	1.254	1.302	1.309	1.296	4.86
12)		1,3-Dichlorobe...	1.595	1.651	1.555	1.438	1.503	1.495	1.514	1.536	4.60
13)	C	1,4-Dichlorobe...	1.490	1.565	1.583	1.450	1.480	1.523	1.529	1.517	3.11
14)		1,2-Dichlorobe...	1.496	1.547	1.488	1.386	1.406	1.435	1.453	1.459	3.82
15)		Benzyl Alcohol	1.564	1.548	1.557	1.508	1.547	1.564	1.611	1.557	1.95
16)		2,2'-oxybis(1-...	2.457	2.451	2.518	2.315	2.360	2.346	2.388	2.405	3.00
17)		2-Methylphenol	1.113	1.209	1.177	1.094	1.137	1.130	1.143	1.143	3.39
18)		Hexachloroethane	0.537	0.593	0.631	0.537	0.589	0.605	0.591	0.583	5.94
19)	P	n-Nitroso-di-n...	1.178	1.162	1.277	1.226	1.244	1.274	1.275	1.234	3.87
20)		3+4-Methylphenols	1.385	1.607	1.556	1.525	1.512	1.555	1.606	1.535	4.91
21)	I	Naphthalene-d8	----------	ISTD	----------						
22)		Acetophenone	0.525	0.557	0.540	0.487	0.498	0.499	0.490	0.514	5.29
23)	S	Nitrobenzene-d5	0.459	0.444	0.460	0.412	0.438	0.439	0.422	0.439	4.06
24)		Nitrobenzene	0.511	0.491	0.514	0.466	0.480	0.490	0.470	0.489	3.85
25)		Isophorone	0.853	0.836	0.853	0.788	0.800	0.805	0.784	0.817	3.63
26)	C	2-Nitrophenol	0.180	0.183	0.178	0.172	0.187	0.188	0.183	0.181	3.01
27)		2,4-Dimethylph...	0.309	0.325	0.329	0.309	0.315	0.323	0.313	0.318	2.55
28)		bis(2-Chloroet...	0.449	0.447	0.444	0.392	0.414	0.412	0.402	0.423	5.54
29)	C	2,4-Dichloroph...	0.335	0.349	0.346	0.321	0.324	0.328	0.330	0.333	3.17
30)		1,2,4-Trichlor...	0.430	0.415	0.407	0.370	0.387	0.381	0.378	0.395	5.60
31)		Naphthalene	1.114	1.058	1.002	0.949	0.957	0.971	0.933	0.998	6.61
32)		Benzoic acid		0.225	0.258	0.251	0.278	0.286	0.290	0.264	9.30
33)		4-Chloroaniline	0.450	0.415	0.445	0.431	0.429	0.444	0.418	0.433	3.15
34)	C	Hexachlorobuta...	0.356	0.326	0.318	0.282	0.292	0.299	0.293	0.309	8.29
35)		Caprolactam	0.126	0.118	0.123	0.118	0.120	0.128	0.122	0.122	3.01
36)	C	4-Chloro-3-met...	0.423	0.401	0.404	0.396	0.400	0.398	0.394	0.402	2.43
37)		2-Methylnaphth...	0.760	0.751	0.760	0.688	0.713	0.726	0.697	0.728	4.13

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38)	I	Acenaphthene-d10	----------ISTD----------								
39)		1,2,4,5-Tetrac...	0.770	0.741	0.696	0.613	0.625	0.635	0.642	0.675	9.18
40)	P	Hexachlorocycl...	0.368	0.369	0.411	0.357	0.388	0.379	0.387	0.380	4.65
41)	S	2,4,6-Tribromo...	0.268	0.316	0.305	0.297	0.302	0.307	0.296	0.299	5.02
42)	C	2,4,6-Trichlor...	0.399	0.427	0.411	0.376	0.403	0.417	0.406	0.405	3.94
43)		2,4,5-Trichlor...	0.467	0.441	0.454	0.414	0.435	0.437	0.421	0.438	4.15
44)	S	2-Fluorobiphenyl	1.380	1.340	1.285	1.115	1.154	1.105	1.045	1.203	10.81
45)		1,1'-Biphenyl	1.534	1.532	1.430	1.288	1.343	1.312	1.276	1.388	8.02
46)		2-Chloronaphth...	1.166	1.138	1.084	0.970	1.042	1.008	0.989	1.057	7.10
47)		2-Nitroaniline	0.375	0.420	0.451	0.438	0.435	0.459	0.450	0.433	6.60
48)		Acenaphthylene	1.748	1.745	1.683	1.549	1.577	1.560	1.483	1.621	6.44
49)		Dimethylphthalate	1.496	1.498	1.462	1.373	1.389	1.384	1.336	1.420	4.58
50)		2,6-Dinitrotol...	0.289	0.295	0.308	0.304	0.316	0.300	0.310	0.303	3.09
51)	C	Acenaphthene	1.367	1.289	1.238	1.141	1.189	1.206	1.027	1.208	8.96
52)		3-Nitroaniline	0.328	0.303	0.319	0.309	0.313	0.316	0.308	0.314	2.63
53)	P	2,4-Dinitrophenol	0.183	0.223	0.215	0.224	0.226	0.237	0.230	0.220	8.00
54)		Dibenzofuran	1.842	1.831	1.751	1.588	1.611	1.571	1.497	1.670	8.19
55)	P	4-Nitrophenol	0.245	0.284	0.284	0.268	0.274	0.282	0.277	0.273	5.03
56)		2,4-Dinitrotol...	0.379	0.433	0.439	0.454	0.459	0.468	0.451	0.440	6.72
57)		Fluorene	1.477	1.494	1.427	1.342	1.342	1.344	1.270	1.385	5.95
58)		2,3,4,6-Tetrac...	0.443	0.467	0.457	0.449	0.458	0.456	0.451	0.454	1.73
59)		Diethylphthalate	1.626	1.597	1.532	1.449	1.439	1.429	1.348	1.489	6.72
60)		4-Chlorophenyl...	0.841	0.831	0.789	0.732	0.751	0.763	0.733	0.777	5.75
61)		4-Nitroaniline	0.295	0.366	0.367	0.337	0.344	0.348	0.341	0.343	6.99
62)		Azobenzene	1.566	1.607	1.536	1.441	1.449	1.437	1.356	1.485	5.91
63)	I	Phenanthrene-d10	----------ISTD----------								
64)		4,6-Dinitro-2-...	0.106	0.134	0.146	0.133	0.149	0.148	0.149	0.138	11.15
65)	c	n-Nitrosodiphe...	0.598	0.574	0.571	0.510	0.535	0.534	0.506	0.547	6.38
66)		4-Bromophenyl-...	0.261	0.250	0.254	0.225	0.237	0.243	0.229	0.243	5.50
67)		Hexachlorobenzene	0.268	0.275	0.286	0.254	0.264	0.271	0.260	0.268	3.89
68)		Atrazine	0.260	0.250	0.252	0.225	0.231	0.221	0.202	0.235	8.81
69)	C	Pentachlorophenol	0.140	0.179	0.188	0.175	0.189	0.186	0.183	0.177	9.62
70)		Phenanthrene	1.141	1.124	1.106	0.947	0.984	0.953	0.881	1.019	10.08
71)		Anthracene	1.153	1.119	1.107	0.964	0.991	0.971	0.894	1.028	9.45
72)		Carbazole	1.038	1.018	1.032	0.869	0.910	0.884	0.815	0.938	9.61
73)		Di-n-butylphth...	1.172	1.196	1.206	1.016	1.059	0.999	0.923	1.081	10.25
74)	C	Fluoranthene		1.523	1.491	1.232	1.254	1.171	1.062	1.289	14.12
75)	I	Chrysene-d12	----------ISTD----------								
76)		Benzidine	0.527	0.531	0.554	0.447	0.445	0.417	0.377	0.471	14.17
77)		Pyrene	1.056	1.077	1.078	0.950	0.925	0.923	0.834	0.978	9.63
78)	S	Terphenyl-d14		0.787	0.755	0.631	0.599	0.575		0.669	14.28
79)		Butylbenzylpht...	0.411	0.425	0.436	0.386	0.406	0.407	0.382	0.408	4.77
80)		Benzo(a)anthra...	1.278	1.217	1.191	1.017	1.032	1.023	0.933	1.099	11.70
81)		3,3'-Dichlorob...	0.513	0.464	0.469	0.418	0.423	0.424	0.392	0.443	9.18
82)		Chrysene	1.170	1.183	1.135	0.985	0.993	0.976	0.884	1.046	11.02

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83)		Bis(2-ethylhex...	0.615	0.614	0.629	0.549	0.572	0.571	0.531	0.583	6.36
84)	c	Di-n-octyl pht...	0.978	1.037	1.064	0.920	0.947	0.953	0.874	0.968	6.78
85)		Indeno(1,2,3-c...	1.726	1.458	1.495	1.307	1.373	1.404	1.348	1.444	9.68
86)	I	Perylene-d12	----------ISTD----------								
87)		Benzo(b)fluora...	1.152	1.169	1.147	1.001	1.034	1.054	1.011	1.081	6.70
88)		Benzo(k)fluora...	1.185	1.122	1.118	0.977	0.991	0.985	0.930	1.044	9.20
89)	C	Benzo(a)pyrene	1.156	1.126	1.114	0.987	1.011	1.019	0.982	1.056	6.91
90)		Dibenzo(a,h)an...	1.455	1.182	1.185	1.040	1.083	1.092	1.078	1.159	12.19
91)		Benzo(g,h,i)pe...	1.498	1.174	1.176	1.029	1.068	1.090	1.073	1.158	13.79

(#) = Out of Range