Response Factor Report GC/MS Ins

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG062619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jun 27 06:49:14 2019
Response Via : Initial Calibration

Calibration Files
10 =BG041471.D 20 =BG041472.D 40 =BG041473.D
50 =BG041474.D 60 =BG041475.D 80 =BG041476.D

		Compound	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.486	0.486	0.537	0.543	0.495	0.547	0.508	6.68
3)		Pyridine	1.173	1.236	1.308	1.336	1.350	1.390	1.288	6.07
4)		n-Nitrosodimethyl	0.653	0.632	0.732	0.744	0.767	0.809	0.717	8.94
5)	S	2-Fluorophenol	1.064	1.048	1.146	1.148	1.158	1.246	1.122	6.60
6)		Aniline	1.965	1.989	2.051	2.057	2.063	2.194	2.036	4.24
7)	S	Phenol-d6	1.543	1.523	1.570	1.599	1.595	1.730	1.579	4.82
8)		2-Chlorophenol	1.283	1.210	1.289	1.266	1.262	1.341	1.258	4.74
9)		Benzaldehyde	1.151	1.054	0.937	0.889	0.826	0.864	0.954	13.07
10)	C	Phenol	1.558	1.508	1.599	1.616	1.609	1.723	1.592	4.48
11)		bis(2-Chloroethyl	1.276	1.280	1.245	1.261	1.276	1.344	1.262	4.52
12)		1,3-Dichlorobenze	1.652	1.636	1.646	1.619	1.629	1.717	1.627	4.10
13)	C	1,4-Dichlorobenze	1.692	1.640	1.631	1.662	1.609	1.749	1.641	4.69
14)		1,2-Dichlorobenze	1.596	1.582	1.596	1.574	1.538	1.672	1.571	4.51
15)		Benzyl Alcohol	1.070	1.126	1.280	1.262	1.324	1.463	1.258	10.28
16)		2,2'-oxybis(1-Chl	1.901	1.739	1.790	1.762	1.731	1.845	1.772	4.77
17)		2-Methylphenol	1.193	1.149	1.165	1.134	1.142	1.230	1.159	3.74
18)		Hexachloroethane	0.671	0.640	0.651	0.644	0.648	0.681	0.647	4.22
19)	P	n-Nitroso-di-n-pr	1.253	1.166	1.160	1.167	1.156	1.244	1.178	4.55
20)		3+4-Methylphenols	1.476	1.456	1.556	1.555	1.560	1.711	1.544	5.49
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.620	0.596	0.612	0.593	0.601	0.631	0.600	4.54
23)	S	Nitrobenzene-d5	0.487	0.475	0.494	0.477	0.482	0.509	0.480	4.82
24)		Nitrobenzene	0.497	0.471	0.484	0.482	0.490	0.512	0.481	5.16
25)		Isophorone	0.890	0.855	0.870	0.848	0.858	0.911	0.861	4.27
26)	C	2-Nitrophenol	0.196	0.191	0.201	0.201	0.210	0.220	0.201	5.35
27)		2,4-Dimethylpheno	0.277	0.277	0.296	0.276	0.283	0.290	0.280	4.15
28)		bis(2-Chloroethox	0.465	0.463	0.458	0.452	0.452	0.479	0.455	4.08
29)	C	2,4-Dichloropheno	0.342	0.370	0.393	0.379	0.388	0.416	0.378	6.48
30)		1,2,4-Trichlorobe	0.501	0.468	0.488	0.483	0.485	0.520	0.484	4.86
31)		Naphthalene	1.153	1.099	1.109	1.093	1.113	1.173	1.106	4.91
32)		Benzoic acid	0.073	0.116	0.144	0.177	0.182	0.231	0.154	35.96
33)		4-Chloroaniline	0.443	0.453	0.481	0.464	0.480	0.501	0.466	4.91
34)	C	Hexachlorobutadie	0.403	0.387	0.387	0.376	0.381	0.406	0.384	4.89
35)		Caprolactam	0.116	0.117	0.120	0.117	0.118	0.123	0.118	2.43
36)	C	4-Chloro-3-methyl	0.412	0.390	0.407	0.414	0.409	0.441	0.409	4.08
37)		2-Methylnaphthale	0.845	0.806	0.830	0.797	0.822	0.865	0.817	4.39
38)		1-Methylnaphthale	0.827	0.776	0.786	0.758	0.777	0.820	0.780	4.99
39)	I	Acenaphthene-d10	----------	ISTD	----------					
40)		1,2,4,5-Tetrachlo	0.905	0.878	0.911	0.889	0.879	0.912	0.881	4.78
41)	P	Hexachlorocyclope	0.303	0.372	0.478	0.459	0.476	0.489	0.436	16.15
42)	S	2,4,6-Tribromophe	0.335	0.336	0.355	0.344	0.342	0.360	0.341	3.97
43)	C	2,4,6-Trichloroph	0.510	0.498	0.546	0.533	0.536	0.553	0.523	5.07
44)		2,4,5-Trichloroph	0.546	0.513	0.522	0.507	0.513	0.564	0.521	5.29
45)	S	2-Fluorobiphenyl	1.603	1.573	1.619	1.579	1.566	1.580	1.559	4.90
46)		1,1'-Biphenyl	1.630	1.579	1.631	1.572	1.555	1.643	1.579	4.39
47)		2-Chloronaphthale	1.407	1.352	1.402	1.347	1.348	1.401	1.355	4.54
48)		2-Nitroaniline	0.456	0.447	0.474	0.458	0.467	0.486	0.459	4.08
49)		Acenaphthylene	2.141	2.044	2.081	2.027	2.010	2.053	2.026	4.84
50)		Dimethylphthalate	1.899	1.835	1.861	1.826	1.806	1.857	1.820	4.29
51)		2,6-Dinitrotoluen	0.407	0.381	0.391	0.390	0.379	0.400	0.386	4.33

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		Compound	10	20	40	50	60	80	Avg	%RSD
52)	C	Acenaphthene	1.248	1.200	1.233	1.202	1.199	1.238	1.201	4.43
53)		3-Nitroaniline	0.342	0.365	0.386	0.371	0.373	0.392	0.369	4.85
54)	P	2,4-Dinitrophenol	0.129	0.179	0.207	0.229	0.237	0.269	0.208	23.54
55)		Dibenzofuran	2.172	2.102	2.175	2.109	2.073	2.136	2.092	4.93
56)	P	4-Nitrophenol	0.199	0.199	0.255	0.236	0.254	0.275	0.238	12.11
57)		2,4-Dinitrotoluen	0.544	0.555	0.581	0.560	0.572	0.591	0.560	4.26
58)		Fluorene	1.721	1.715	1.713	1.646	1.646	1.691	1.664	4.34
59)		2,3,4,6-Tetrachlo	0.536	0.549	0.578	0.544	0.567	0.567	0.549	4.76
60)		Diethylphthalate	1.942	1.923	1.919	1.854	1.827	1.894	1.863	4.79
61)		4-Chlorophenyl-ph	1.095	1.092	1.101	1.073	1.051	1.112	1.073	3.96
62)		4-Nitroaniline	0.314	0.354	0.377	0.359	0.367	0.395	0.359	7.05
63)		Azobenzene	1.642	1.632	1.608	1.562	1.543	1.589	1.571	4.83
64)	I	Phenanthrene-d10	----------ISTD----------							
65)		4,6-Dinitro-2-met	0.097	0.110	0.129	0.128	0.133	0.145	0.124	12.67
66)	c	n-Nitrosodiphenyl	0.571	0.535	0.561	0.553	0.557	0.577	0.550	4.86
67)		4-Bromophenyl-phe	0.287	0.263	0.274	0.274	0.277	0.288	0.273	5.03
68)		Hexachlorobenzene	0.305	0.290	0.298	0.295	0.296	0.309	0.294	4.70
69)		Atrazine	0.280	0.245	0.230	0.212	0.199	0.149	0.219	20.35
70)	C	Pentachlorophenol	0.108	0.114	0.139	0.142	0.145	0.155	0.133	12.73
71)		Phenanthrene	1.171	1.115	1.131	1.099	1.096	1.128	1.102	5.60
72)		Anthracene	1.193	1.098	1.131	1.106	1.103	1.113	1.103	5.97
73)		Carbazole	0.967	0.936	0.967	0.945	0.938	0.974	0.937	5.14
74)		Di-n-butylphthala	1.222	1.182	1.226	1.182	1.184	1.206	1.178	5.24
75)	C	Fluoranthene	1.568	1.490	1.539	1.464	1.464	1.479	1.469	6.31
76)	I	Chrysene-d12	----------ISTD----------							
77)		Benzidine	0.412	0.504	0.526	0.468	0.446	0.390	0.444	13.64
78)		Pyrene	1.425	1.398	1.421	1.360	1.379	1.385	1.365	5.93
79)	S	Terphenyl-d14	1.036	0.984	0.986	0.937	0.935	0.920	0.941	8.24
80)		Butylbenzylphthal	0.510	0.489	0.528	0.507	0.517	0.543	0.510	4.43
81)		Benzo(a)anthracen	1.466	1.403	1.449	1.390	1.384	1.409	1.390	5.50
82)		3,3'-Dichlorobenz	0.473	0.465	0.507	0.481	0.488	0.514	0.481	5.12
83)		Chrysene	1.452	1.367	1.381	1.351	1.348	1.354	1.346	6.37
84)		Bis(2-ethylhexyl)	0.732	0.695	0.746	0.735	0.730	0.758	0.723	4.45
85)	c	Di-n-octyl phthal	1.246	1.168	1.266	1.238	1.224	1.282	1.223	4.25
86)		Indeno(1,2,3-cd)p	1.671	1.569	1.676	1.631	1.627	1.704	1.630	3.78
87)	I	Perylene-d12	----------ISTD----------							
88)		Benzo(b)fluoranth	1.313	1.240	1.328	1.269	1.270	1.368	1.276	5.71
89)		Benzo(k)fluoranth	1.303	1.241	1.272	1.242	1.256	1.343	1.252	5.80
90)	C	Benzo(a)pyrene	1.252	1.173	1.228	1.211	1.208	1.306	1.212	5.25
91)		Dibenzo(a,h)anthr	1.260	1.174	1.242	1.190	1.215	1.313	1.214	5.56
92)		Benzo(g,h,i)peryl	1.254	1.162	1.222	1.186	1.206	1.314	1.207	5.55

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