Response Factor Report MSBNA_P

Method Path : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\
Method File : SOM-EPA-BP022720MA.M
Title : SVOA CALIBRATION
Last Update : Thu Feb 27 14:59:37 2020
Response Via : Initial Calibration

Calibration Files
5 =BP001934.D 10 =BP001935.D 20 =BP001936.D
40 =BP001937.D 80 =BP001938.D 160 =BP001939.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.508	0.475	0.539	0.494	0.465		0.496	5.89
3)	S	1,4-Dioxane-d8	0.465	0.454	0.506	0.466	0.437		0.465	5.47
4)		Benzaldehyde		0.927	1.061	0.988	0.872	0.635	0.896	18.13
5)	S	Phenol-d5		1.424	1.635	1.554	1.486	1.529	1.526	5.17
6)		Phenol		1.523	1.701	1.625	1.529	1.542	1.584	4.87
7)	S	Bis-(2-Chloroethy		0.788	0.874	0.820	0.773	0.785	0.808	5.10
8)		Bis(2-Chloroethyl		1.227	1.344	1.266	1.180	1.197	1.243	5.24
9)	S	2-Chlorophenol-d4	1.292	1.269	1.410	1.346	1.281		1.320	4.43
10)		2-Chlorophenol	1.316	1.307	1.460	1.383	1.298		1.353	5.08
11)		2-Methylphenol		1.174	1.323	1.256	1.207	1.231	1.238	4.55
12)		2,2'-oxybis(1-Chl		1.294	1.459	1.339	1.264	1.278	1.327	5.95
13)	S	4-Methylphenol-d8		1.173	1.343	1.268	1.230	1.254	1.254	4.92
14)		Acetophenone		1.845	2.059	1.898	1.747	1.695	1.849	7.68
15)	P	N-Nitroso-di-n-pr	0.879	0.857	0.957	0.887	0.825		0.881	5.51
16)		4-Methylphenol		1.277	1.438	1.345	1.282	1.274	1.323	5.33
17)		Hexachloroethane	0.532	0.515	0.580	0.546	0.516		0.538	5.00
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.148	0.145	0.165	0.158	0.152		0.154	5.24
20)		Nitrobenzene	0.338	0.329	0.370	0.347	0.327		0.342	5.07
21)		Isophorone	0.636	0.629	0.700	0.660	0.623		0.650	4.82
22)	S	2-Nitrophenol-d4	0.161	0.159	0.187	0.179	0.178		0.173	6.93
23)	C	2-Nitrophenol	0.176	0.176	0.205	0.195	0.188		0.188	6.70
24)		2,4-Dimethylpheno	0.352	0.337	0.376	0.353	0.336		0.351	4.66
25)		Bis(2-Chloroethox	0.415	0.402	0.440	0.413	0.387		0.411	4.70
26)	S	2,4-Dichloropheno	0.327	0.319	0.357	0.339	0.323		0.333	4.59
27)	C	2,4-Dichloropheno	0.328	0.320	0.357	0.336	0.315		0.331	4.96
28)		Naphthalene	1.103	1.053	1.160	1.064	0.977		1.071	6.27
29)	S	4-Chloroaniline-d		0.336	0.407	0.402	0.362	0.318	0.365	10.80
30)		4-Chloroaniline		0.337	0.407	0.401	0.357	0.311	0.363	11.38
31)	C	Hexachlorobutadie	0.232	0.223	0.247	0.228	0.213		0.228	5.50
32)		Caprolactam		0.100	0.114	0.110	0.107	0.113	0.109	5.18
33)	C	4-Chloro-3-methyl	0.323	0.314	0.353	0.335	0.321		0.329	4.67
34)		2-Methylnaphthale	0.766	0.737	0.817	0.749	0.695		0.753	5.90
35)		1-Methylnaphthale	0.777	0.731	0.807	0.743	0.678		0.747	6.50
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.670	0.648	0.729	0.676	0.610		0.667	6.50
38)		Hexachlorocyclope		0.334	0.405	0.403	0.397	0.415	0.391	8.31
39)	C	2,4,6-Trichloroph	0.438	0.413	0.467	0.450	0.425		0.439	4.72
40)		2,4,5-Trichloroph	0.448	0.437	0.496	0.476	0.455		0.463	5.08
41)		1,1'-Biphenyl	1.578	1.544	1.698	1.564	1.396		1.556	6.92
42)		2-Chloronaphthale	1.253	1.209	1.341	1.237	1.110		1.230	6.78
43)		2-Nitroaniline	0.272	0.272	0.315	0.307	0.298		0.293	6.78
44)	S	Dimethylphthalate	1.533	1.472	1.626	1.528	1.409		1.514	5.30
45)		Dimethylphthalate	1.596	1.530	1.677	1.576	1.433		1.562	5.76
46)		2,6-Dinitrotoluen	0.282	0.287	0.344	0.342	0.330		0.317	9.48
47)	S	Acenaphthylene-d8	1.799	1.762	1.989	1.837	1.663		1.810	6.58
48)		Acenaphthylene	1.959	1.893	2.107	1.933	1.705		1.919	7.53
49)		3-Nitroaniline		0.264	0.321	0.324	0.291	0.266	0.293	9.85
50)	C	Acenaphthene	1.307	1.277	1.406	1.296	1.166		1.290	6.64
51)		2,4-Dinitrophenol		0.137	0.175	0.189	0.196	0.209	0.181	15.31

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.268	0.310	0.303	0.284	0.282	0.289	5.90
53)		4-Nitrophenol		0.196	0.225	0.216	0.204	0.204	0.209	5.56
54)		Dibenzofuran	1.893	1.828	1.989	1.809	1.596		1.823	7.97
55)		2,4-Dinitrotoluen	0.415	0.425	0.496	0.479	0.455		0.454	7.58
56)		2,3,4,6-Tetrachlo	0.425	0.405	0.456	0.426	0.406		0.424	4.86
57)		Diethylphthalate	1.553	1.509	1.664	1.562	1.423		1.542	5.69
58)	S	Fluorene-d10	1.342	1.294	1.417	1.322	1.174		1.310	6.75
59)		Fluorene	1.563	1.490	1.613	1.428	1.189		1.457	11.34
60)		4-Chlorophenyl-ph	0.821	0.788	0.844	0.749	0.634		0.768	10.75
61)		4-Nitroaniline		0.282	0.346	0.336	0.302	0.272	0.307	10.55
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.095	0.115	0.117	0.112	0.112	0.110	7.97
64)		4,6-Dinitro-2-met		0.108	0.128	0.127	0.120	0.117	0.120	6.92
65)		N-Nitrosodiphenyl	0.592	0.579	0.622	0.563	0.491		0.569	8.60
66)		4-Bromophenyl-phe	0.234	0.225	0.246	0.228	0.214		0.229	5.17
67)		Hexachlorobenzene	0.266	0.259	0.281	0.260	0.236		0.260	6.16
68)		Atrazine		0.223	0.244	0.234	0.215	0.209	0.225	6.31
69)	C	Pentachlorophenol		0.150	0.171	0.166	0.160	0.157	0.161	4.93
70)		Phenanthrene	1.157	1.103	1.205	1.091	0.952		1.102	8.64
71)	S	Anthracene-d10	0.931	0.904	0.983	0.897	0.780		0.899	8.28
72)		Anthracene	1.159	1.112	1.208	1.074	0.901		1.091	10.77
73)		1,2,3,4-Tetrachlo	0.316	0.317	0.352	0.323	0.299		0.321	6.06
74)		Pentachlorobenzen	0.329	0.316	0.343	0.314	0.284		0.317	6.92
75)		Carbazole		0.979	1.067	0.967	0.837	0.743	0.919	13.98
76)		Di-n-butylphthala	1.186	1.168	1.282	1.202	1.049		1.178	7.13
77)	C	Fluoranthene		1.366	1.497	1.354	1.157	0.982	1.271	15.91
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	1.051	1.025	1.055	1.075	1.030		1.047	1.92
80)		Pyrene	1.426	1.379	1.398	1.377	1.229		1.362	5.64
81)		Butylbenzylphthal	0.513	0.517	0.554	0.594	0.584		0.552	6.78
82)		3,3'-Dichlorobenz		0.383	0.462	0.518	0.478	0.442	0.457	10.88
83)		Benzo(a)anthracen	1.397	1.361	1.402	1.368	1.238		1.353	4.92
84)		Bis(2-ethylhexyl)	0.776	0.786	0.835	0.861	0.796		0.811	4.43
85)		Chrysene	1.356	1.330	1.330	1.309	1.130		1.291	7.10
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.144	1.311	1.250	1.142	1.051	1.180	8.61
88)		Benzo(b)fluoranth	1.255	1.208	1.380	1.259	1.169		1.254	6.35
89)		Benzo(k)fluoranth	1.248	1.254	1.313	1.235	1.089		1.228	6.78
90)	S	Benzo(a)pyrene-d1	0.990	0.993	1.109	1.045	0.980		1.023	5.30
91)	C	Benzo(a)pyrene	1.138	1.140	1.250	1.148	1.018		1.139	7.21
92)		Indeno(1,2,3-cd)p	1.422	1.423	1.601	1.511	1.422		1.476	5.41
93)		Dibenzo(a,h)anthr	1.185	1.197	1.335	1.250	1.134		1.220	6.25
94)		Benzo(g,h,i)peryl	1.179	1.190	1.348	1.290	1.221		1.246	5.77

(#) = Out of Range