Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052217\
Data File : BM010127.D
Acq On : 23 May 2017 05:59
Operator : SJ/MA
Sample : I3222-14MSD
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EX-21MSD

Quant Time: May 23 08:11:16 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:25:49 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	156838	20.00	ng		-0.02
21) Naphthalene-d8	10.77	136	529892	20.00	ng		-0.02
38) Acenaphthene-d10	14.59	164	331501	20.00	ng		-0.02
63) Phenanthrene-d10	17.34	188	782619	20.00	ng		-0.01
75) Chrysene-d12	21.50	240	1253801	20.00	ng		-0.01
86) Perylene-d12	23.86	264	1422201	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.54	112	1071081	123.33	ng		-0.02
7) Phenol-d6	7.15	99	1279552	114.50	ng		-0.02
23) Nitrobenzene-d5	9.15	82	852730	86.82	ng		-0.02
41) 2,4,6-Tribromophenol	16.09	330	617198	122.59	ng		-0.01
44) 2-Fluorobiphenyl	13.22	172	1778933	68.99	ng		-0.02
78) Terphenyl-d14	19.94	244	3200374	58.04	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.43	88	144598	36.24	ng	#	100
3) Pyridine	3.85	79	376584	35.25	ng		91
4) n-Nitrosodimethylamine	3.77	42	170993	44.25	ng		85
6) Aniline	7.32	93	347385	25.09	ng		99
8) 2-Chlorophenol	7.53	128	350994	37.14	ng		93
9) Benzaldehyde	7.12	77	121662	17.49	ng		91
10) Phenol	7.17	94	478439	40.62	ng		88
11) bis(2-Chloroethyl)ether	7.39	93	312781	35.63	ng		95
12) 1,3-Dichlorobenzene	7.85	146	431995	35.98	ng	#	91
13) 1,4-Dichlorobenzene	8.00	146	442252	35.85	ng		96
14) 1,2-Dichlorobenzene	8.31	146	419865	35.46	ng		95
15) Benzyl Alcohol	8.22	79	315158	37.27	ng	#	90
16) 2,2'-oxybis(1-Chloropropan	8.49	45	272107	31.53	ng		77
17) 2-Methylphenol	8.42	107	289540	34.55	ng	#	88
18) Hexachloroethane	9.03	117	148348	37.10	ng	#	72
19) n-Nitroso-di-n-propylamine	8.77	70	286347	36.30	ng		91
20) 3+4-Methylphenols	8.75	107	393550	34.77	ng		89
22) Acetophenone	8.80	105	530518	39.06	ng	#	98
24) Nitrobenzene	9.19	77	437474	43.24	ng		97
25) Isophorone	9.70	82	691189	40.73	ng	#	95
26) 2-Nitrophenol	9.89	139	169270	39.69	ng	#	66
27) 2,4-Dimethylphenol	9.95	122	289724	37.62	ng	#	80
28) bis(2-Chloroethoxy)methane	10.18	93	389708	36.18	ng		97
29) 2,4-Dichlorophenol	10.42	162	362353	40.87	ng		97
30) 1,2,4-Trichlorobenzene	10.62	180	449955	39.22	ng		97
31) Naphthalene	10.82	128	1025393	36.17	ng		99
32) Benzoic acid	10.03	122	28432	5.42	ng		95
33) 4-Chloroaniline	10.96	127	120926	11.07	ng	#	82
34) Hexachlorobutadiene	11.06	225	304498	39.79	ng		96
35) Caprolactam	11.76	113	87025	34.21	ng	#	79
36) 4-Chloro-3-methylphenol	12.07	107	348008	36.24	ng		86
37) 2-Methylnaphthalene	12.42	142	778357	38.14	ng	#	94
39) 1,2,4,5-Tetrachlorobenzene	12.77	216	507792	39.83	ng	#	100
40) Hexachlorocyclopentadiene	12.73	237	704013	95.65	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	13.03	196	315362	42.00	ng		98
43) 2,4,5-Trichlorophenol	13.10	196	326924	39.40	ng	#	93
45) 1,1'-Biphenyl	13.43	154	1048198	38.45	ng		99
46) 2-Chloronaphthalene	13.47	162	831450	37.67	ng		97
47) 2-Nitroaniline	13.71	65	222464	39.20	ng	#	82
48) Acenaphthylene	14.32	152	1254020	38.42	ng		99
49) Dimethylphthalate	14.06	163	1257366	42.52	ng	#	99
50) 2,6-Dinitrotoluene	14.19	165	216136	38.49	ng	#	88
51) Acenaphthene	14.66	154	765212	37.72	ng		97
52) 3-Nitroaniline	14.54	138	177132	33.94	ng	#	73
53) 2,4-Dinitrophenol	14.72	184	133875	39.38	ng	#	82
54) Dibenzofuran	14.99	168	1290238	40.44	ng		96
55) 4-Nitrophenol	14.84	139	309550	73.70	ng	#	31
56) 2,4-Dinitrotoluene	14.97	165	304406	38.32	ng	#	84
57) Fluorene	15.64	166	1048639	37.80	ng		100
58) 2,3,4,6-Tetrachlorophenol	15.22	232	308942	43.72	ng	#	100
59) Diethylphthalate	15.40	149	983509	35.18	ng		98
60) 4-Chlorophenyl-phenylether	15.63	204	584365	37.52	ng		99
61) 4-Nitroaniline	15.70	138	176627	33.34	ng	#	26
62) Azobenzene	15.92	77	954455	46.43	ng		90
64) 4,6-Dinitro-2-methylphenol	15.72	198	172227	36.02	ng		78
65) n-Nitrosodiphenylamine	15.85	169	903876	38.54	ng		99
66) 4-Bromophenyl-phenylether	16.52	248	388545	38.78	ng		95
67) Hexachlorobenzene	16.62	284	435941	35.81	ng		96
68) Atrazine	16.79	200	364209	40.95	ng		98
69) Pentachlorophenol	16.98	266	522375	78.13	ng		97
70) Phenanthrene	17.38	178	1686070	38.51	ng		100
71) Anthracene	17.47	178	1718434	39.55	ng		99
72) Carbazole	17.76	167	1513325	39.33	ng		98
73) Di-n-butylphthalate	18.27	149	1618633	35.48	ng	#	98
74) Fluoranthene	19.38	202	2194887	38.61	ng		98
76) Benzidine	19.59	184	1726512	74.66	ng		99
77) Pyrene	19.74	202	2289479	34.06	ng		100
79) Butylbenzylphthalate	20.62	149	823178	33.08	ng	#	86
80) Benzo(a)anthracene	21.48	228	2598314	37.60	ng		99
81) 3,3'-Dichlorobenzidine	21.42	252	889491	32.00	ng	#	97
82) Chrysene	21.53	228	2375159	36.24	ng		100
83) Bis(2-ethylhexyl)phthalate	21.36	149	1242707	33.40	ng	#	98
84) Di-n-octyl phthalate	22.27	149	2304359	34.59	ng	#	97
85) Indeno(1,2,3-cd)pyrene	26.29	276	4073392	42.38	ng	#	100
87) Benzo(b)fluoranthene	23.14	252	3175277	38.15	ng	#	92
88) Benzo(k)fluoranthene	23.19	252	3029240	37.15	ng	#	96
89) Benzo(a)pyrene	23.76	252	3065291	38.65	ng	#	97
90) Dibenzo(a,h)anthracene	26.30	278	3410926	38.46	ng	#	92
91) Benzo(g,h,i)perylene	27.04	276	3334985	38.38	ng	#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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