Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
Data File : BF089869.D
Acq On : 24 Aug 2016 12:56
Operator : UM/SJ
Sample : H4551-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AST-1MS

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8/25/2016 6:49:02 PM

Quant Time: Aug 25 15:18:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	412304	20.00	ng		-0.01
21) Naphthalene-d8	7.95	136	1665966	20.00	ng		-0.02
38) Acenaphthene-d10	9.71	164	749050	20.00	ng		0.00
63) Phenanthrene-d10	11.19	188	1470430	20.00	ng		0.00
75) Chrysene-d12	13.87	240	1167438	20.00	ng		0.00
86) Perylene-d12	15.39	264	1023726	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.26	112	3138816	130.55	ng		0.00
7) Phenol-d6	6.31	99	4420234	149.77	ng		-0.01
23) Nitrobenzene-d5	7.23	82	2616936	97.59	ng		-0.02
41) 2,4,6-Tribromophenol	10.49	330	821803	115.44	ng		-0.01
44) 2-Fluorobiphenyl	9.04	172	3761183	88.25	ng		-0.01
78) Terphenyl-d14	12.78	244	3566204	69.11	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.19	88	446384	37.52	ng		97
3) Pyridine	2.82	79	1322864	42.39	ng		92
4) n-Nitrosodimethylamine	2.79	42	509052	43.81	ng	#	77
6) Aniline	6.33	93	1051589	26.56	ng	#	43
8) 2-Chlorophenol	6.46	128	1189294	41.37	ng	#	77
9) Benzaldehyde	6.20	77	286030	14.88	ng		89
10) Phenol	6.33	94	1446562	41.82	ng		93
11) bis(2-Chloroethyl)ether	6.41	93	1136010	42.35	ng		99
12) 1,3-Dichlorobenzene	6.60	146	1238883	41.22	ng		99
13) 1,4-Dichlorobenzene	6.68	146	1260429	40.79	ng		98
14) 1,2-Dichlorobenzene	6.84	146	1221778	42.36	ng		99
15) Benzyl Alcohol	6.82	79	953884	48.74	ng	#	87
16) 2,2'-oxybis(1-Chloropropan	6.96	45	1301285	37.91	ng		94
17) 2-Methylphenol	6.94	107	1022030	45.38	ng		96
18) Hexachloroethane	7.19	117	472705	42.90	ng		92
19) n-Nitroso-di-n-propylamine	7.10	70	764577	40.51	ng		89
20) 3+4-Methylphenols	7.10	107	1296560	46.96	ng	#	48
22) Acetophenone	7.08	105	1439466	37.63	ng	#	88
24) Nitrobenzene	7.26	77	1272943	42.31	ng		95
25) Isophorone	7.50	82	2154654	39.84	ng		97
26) 2-Nitrophenol	7.58	139	615329	40.99	ng		98
27) 2,4-Dimethylphenol	7.62	122	1185519	43.82	ng		98
28) bis(2-Chloroethoxy)methane	7.71	93	1406775	42.04	ng		98
29) 2,4-Dichlorophenol	7.82	162	1022520	45.04	ng		97
30) 1,2,4-Trichlorobenzene	7.90	180	1007899	40.14	ng		98
31) Naphthalene	7.98	128	3196982	41.06	ng		98
33) 4-Chloroaniline	8.03	127	694639	20.58	ng		98
34) Hexachlorobutadiene	8.10	225	511050	38.87	ng		99
35) Caprolactam	8.39	113	281659	40.74	ng		91
36) 4-Chloro-3-methylphenol	8.52	107	1071685	43.59	ng		94
37) 2-Methylnaphthalene	8.67	142	2195651	43.59	ng		100
39) 1,2,4,5-Tetrachlorobenzene	8.83	216	689479	28.43	ng		98
40) Hexachlorocyclopentadiene	8.83	237	836622	99.35	ng		98
42) 2,4,6-Trichlorophenol	8.95	196	405849	26.60	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) 2,4,5-Trichlorophenol	8.99	196	569762	37.54	ng	#	93
45) 1,1'-Biphenyl	9.14	154	2245095	38.73	ng		92
46) 2-Chloronaphthalene	9.15	162	1867606	40.76	ng		98
47) 2-Nitroaniline	9.26	65	652551	49.93	ng	#	75
48) Acenaphthylene	9.56	152	2983242	43.33	ng		100
49) Dimethylphthalate	9.45	163	3552208	67.35	ng	#	99
50) 2,6-Dinitrotoluene	9.51	165	530187	43.54	ng	#	58
51) Acenaphthene	9.74	154	1856260	40.73	ng		99
52) 3-Nitroaniline	9.67	138	570230	42.27	ng	#	77
53) 2,4-Dinitrophenol	9.76	184	5207	3.35	ng	#	62
54) Dibenzofuran	9.91	168	2759438	48.21	ng		97
55) 4-Nitrophenol	9.82	139	247384	22.47	ng	#	87
56) 2,4-Dinitrotoluene	9.90	165	674582	42.70	ng	#	76
57) Fluorene	10.25	166	1904604	41.76	ng		98
58) 2,3,4,6-Tetrachlorophenol	10.03	232	235543	21.32	ng	#	95
59) Diethylphthalate	10.15	149	2422834	45.22	ng		97
60) 4-Chlorophenyl-phenylether	10.25	204	858746	41.27	ng		97
61) 4-Nitroaniline	10.27	138	558067	44.12	ng		95
62) Azobenzene	10.41	77	2314876	45.96	ng		95
64) 4,6-Dinitro-2-methylphenol	10.30	198	34198	4.05	ng	#	70
65) n-Nitrosodiphenylamine	10.38	169	2070936	44.79	ng		100
66) 4-Bromophenyl-phenylether	10.74	248	643129	41.72	ng	#	86
67) Hexachlorobenzene	10.80	284	657996	37.41	ng	#	85
68) Atrazine	10.90	200	569199	40.20	ng		97
69) Pentachlorophenol	10.99	266	190156	19.08	ng		97
70) Phenanthrene	11.21	178	3231427	43.51	ng		97
71) Anthracene	11.26	178	2997258	39.70	ng		99
72) Carbazole	11.42	167	2870715	42.40	ng		98
73) Di-n-butylphthalate	11.77	149	3751993	44.29	ng	#	98
74) Fluoranthene	12.39	202	3082103	43.63	ng		93
76) Benzidine	12.53	184	1386296	36.69	ng		97
77) Pyrene	12.62	202	3010795	31.67	ng		97
79) Butylbenzylphthalate	13.28	149	1616521	37.65	ng		94
80) Benzo(a)anthracene	13.86	228	2798506	41.86	ng		99
81) 3,3'-Dichlorobenzidine	13.83	252	808610	36.89	ng		98
82) Chrysene	13.91	228	2449026	42.73	ng		99
83) Bis(2-ethylhexyl)phthalate	13.89	149	2575355	43.54	ng	#	99
84) Di-n-octyl phthalate	14.58	149	3831538	48.75	ng	#	94
85) Indeno(1,2,3-cd)pyrene	16.69	276	2277243	31.14	ng		100
87) Benzo(b)fluoranthene	15.01	252	2808189	49.86	ng	#	95
88) Benzo(k)fluoranthene	15.03	252	2042911m	39.98	ng		
89) Benzo(a)pyrene	15.34	252	2282113	42.81	ng		98
90) Dibenzo(a,h)anthracene	16.71	278	1892870	32.72	ng		96
91) Benzo(g,h,i)perylene	17.07	276	1914315	31.42	ng		100

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

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