Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
Data File : BF087113.D
Acq On : 17 May 2016 20:30
Operator : UM/SJ
Sample : H2945-01MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Manual Integrations APPROVED
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5/18/2016 6:58:23 PM

Quant Time: May 18 02:25:14 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 16:55:01 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	164331	20.00	ng		-0.01
21) Naphthalene-d8	7.88	136	686090	20.00	ng		-0.01
38) Acenaphthene-d10	9.63	164	335718	20.00	ng		-0.01
63) Phenanthrene-d10	11.11	188	605286	20.00	ng		-0.01
75) Chrysene-d12	13.74	240	409214	20.00	ng		-0.02
86) Perylene-d12	15.10	264	388278	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.21	112	1258029	128.68	ng		0.01
7) Phenol-d6	6.27	99	1484038	113.18	ng		-0.01
23) Nitrobenzene-d5	7.18	82	1198205	87.04	ng		-0.01
41) 2,4,6-Tribromophenol	10.43	330	530028	142.87	ng		-0.01
44) 2-Fluorobiphenyl	8.97	172	1948305	96.11	ng		-0.01
78) Terphenyl-d14	12.70	244	1662074	91.88	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.23	88	154411	30.70	ng	#	69
3) Pyridine	2.88	79	165202	13.58	ng	#	66
4) n-Nitrosodimethylamine	2.76	42	339696	39.40	ng	#	49
6) Aniline	6.27	93	206427	12.39	ng	#	1
8) 2-Chlorophenol	6.39	128	474474	39.89	ng		89
9) Benzaldehyde	6.15	77	23079	2.35	ng		97
10) Phenol	6.28	94	633771	38.45	ng		82
11) bis(2-Chloroethyl)ether	6.34	93	459434	37.12	ng		84
12) 1,3-Dichlorobenzene	6.52	146	438498m	34.68	ng		
13) 1,4-Dichlorobenzene	6.60	146	440248m	34.03	ng		
14) 1,2-Dichlorobenzene	6.76	146	411426	36.33	ng		99
15) Benzyl Alcohol	6.76	79	478046	48.97	ng		92
16) 2,2'-oxybis(1-Chloropropan	6.88	45	986391	38.77	ng		89
17) 2-Methylphenol	6.89	107	403921	41.35	ng	#	80
18) Hexachloroethane	7.10	117	169141	34.20	ng		99
19) n-Nitroso-di-n-propylamine	7.03	70	385608	38.69	ng	#	67
20) 3+4-Methylphenols	7.05	107	534893	41.51	ng	#	59
22) Acetophenone	7.02	105	703951	41.93	ng		98
24) Nitrobenzene	7.19	77	546887	36.38	ng		98
25) Isophorone	7.43	82	1039135	41.23	ng		98
26) 2-Nitrophenol	7.51	139	271178	43.55	ng	#	82
27) 2,4-Dimethylphenol	7.56	122	429480	40.42	ng		87
28) bis(2-Chloroethoxy)methane	7.64	93	612683	44.29	ng		98
29) 2,4-Dichlorophenol	7.76	162	417776	44.62	ng		96
30) 1,2,4-Trichlorobenzene	7.83	180	407587	39.23	ng		98
31) Naphthalene	7.91	128	1414382	42.19	ng		99
32) Benzoic acid	7.74	122	292151	46.13	ng	#	84
33) 4-Chloroaniline	7.98	127	143896	10.33	ng	#	95
34) Hexachlorobutadiene	8.02	225	228935	38.83	ng		98
35) Caprolactam	8.36	113	116422m	37.34	ng		
36) 4-Chloro-3-methylphenol	8.48	107	469656	41.58	ng		89
37) 2-Methylnaphthalene	8.59	142	883131m	41.19	ng		
39) 1,2,4,5-Tetrachlorobenzene	8.76	216	408481	41.66	ng		98
40) Hexachlorocyclopentadiene	8.74	237	261480	70.13	ng		95

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	8.89	196	283777	44.63	ng		94
43) 2,4,5-Trichlorophenol	8.95	196	251706	38.10	ng		95
45) 1,1'-Biphenyl	9.06	154	1118307	40.17	ng		96
46) 2-Chloronaphthalene	9.08	162	869262	40.68	ng		94
47) 2-Nitroaniline	9.20	65	373288	45.58	ng	#	81
48) Acenaphthylene	9.50	152	1301660	39.89	ng		99
49) Dimethylphthalate	9.38	163	1112307	43.43	ng		100
50) 2,6-Dinitrotoluene	9.44	165	222492	40.01	ng	#	65
51) Acenaphthene	9.67	154	850364	41.71	ng		98
52) 3-Nitroaniline	9.61	138	128394	21.33	ng		88
53) 2,4-Dinitrophenol	9.72	184	261769	82.03	ng	#	74
54) Dibenzofuran	9.84	168	1141302	43.29	ng		93
55) 4-Nitrophenol	9.82	139	370857m	81.89	ng		
56) 2,4-Dinitrotoluene	9.85	165	333639	46.85	ng		93
57) Fluorene	10.18	166	884926	41.78	ng		99
58) 2,3,4,6-Tetrachlorophenol	9.98	232	238105	46.28	ng		96
59) Diethylphthalate	10.08	149	1148675	46.98	ng		97
60) 4-Chlorophenyl-phenylether	10.18	204	438341	43.66	ng	#	78
61) 4-Nitroaniline	10.23	138	232588	39.13	ng	#	68
62) Azobenzene	10.34	77	1288393	45.73	ng		87
64) 4,6-Dinitro-2-methylphenol	10.26	198	184222	46.21	ng		86
65) n-Nitrosodiphenylamine	10.31	169	931652	48.91	ng		99
66) 4-Bromophenyl-phenylether	10.66	248	265678	42.68	ng		98
67) Hexachlorobenzene	10.73	284	337162	46.72	ng		98
68) Atrazine	10.84	200	295940	47.63	ng		96
69) Pentachlorophenol	10.94	266	294962	108.80	ng		98
70) Phenanthrene	11.14	178	1516343	46.19	ng		99
71) Anthracene	11.19	178	1321317	39.79	ng		99
72) Carbazole	11.36	167	1336360	44.06	ng		98
73) Di-n-butylphthalate	11.69	149	1721950	49.43	ng		99
74) Fluoranthene	12.32	202	1486080	45.18	ng		96
76) Benzidine	12.46	184	37225	3.36	ng		95
77) Pyrene	12.55	202	1549528	52.42	ng		100
79) Butylbenzylphthalate	13.18	149	721051	57.78	ng	#	87
80) Benzo(a)anthracene	13.73	228	1118504	47.27	ng		99
81) 3,3'-Dichlorobenzidine	13.70	252	246382	16.36	ng	#	96
82) Chrysene	13.77	228	1199590	52.40	ng		99
83) Bis(2-ethylhexyl)phthalate	13.74	149	840217	55.32	ng		98
84) Di-n-octyl phthalate	14.34	149	1400957	53.54	ng	#	83
85) Indeno(1,2,3-cd)pyrene	16.34	276	972395	48.39	ng		95
87) Benzo(b)fluoranthene	14.73	252	1062531m	41.25	ng		
88) Benzo(k)fluoranthene	14.75	252	908686m	47.38	ng		
89) Benzo(a)pyrene	15.04	252	968829	45.00	ng	#	96
90) Dibenzo(a,h)anthracene	16.35	278	808354	44.59	ng	#	93
91) Benzo(g,h,i)perylene	16.71	276	818181	44.69	ng		94

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

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