Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
Data File : BF089261.D
Acq On : 24 Jul 2016 5:35
Operator : UM/SJ
Sample : H4151-04MSD
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-08-COMPMSD

Manual Integrations APPROVED
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7/25/2016 6:43:21 PM

Quant Time: Jul 25 11:50:24 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 19:03:15 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	50203	20.00	ng		-0.02
21) Naphthalene-d8	7.87	136	203417	20.00	ng		-0.01
38) Acenaphthene-d10	9.61	164	90154	20.00	ng		-0.02
63) Phenanthrene-d10	11.08	188	152999	20.00	ng		-0.02
75) Chrysene-d12	13.70	240	88899	20.00	ng		-0.02
86) Perylene-d12	15.05	264	89289	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.16	112	367734	111.40	ng		-0.02
7) Phenol-d6	6.24	99	509226	119.63	ng		-0.03
23) Nitrobenzene-d5	7.15	82	314066	82.04	ng		-0.02
41) 2,4,6-Tribromophenol	10.40	330	83547	102.93	ng		-0.02
44) 2-Fluorobiphenyl	8.95	172	555049	84.83	ng		-0.02
78) Terphenyl-d14	12.66	244	316843	77.30	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.07	88	44189	30.83	ng	#	82
3) Pyridine	2.68	79	118444	32.53	ng		95
4) n-Nitrosodimethylamine	2.65	42	53021	34.59	ng		98
6) Aniline	6.25	93	131263	22.82	ng	#	56
8) 2-Chlorophenol	6.36	128	143757	39.24	ng		83
9) Benzaldehyde	6.12	77	27669	10.17	ng		96
10) Phenol	6.26	94	189793	38.70	ng		99
11) bis(2-Chloroethyl)ether	6.33	93	150186	40.78	ng		97
12) 1,3-Dichlorobenzene	6.51	146	137069	33.89	ng		98
13) 1,4-Dichlorobenzene	6.59	146	152552	37.45	ng		99
14) 1,2-Dichlorobenzene	6.75	146	148193	38.58	ng		98
15) Benzyl Alcohol	6.74	79	126696	40.64	ng		98
16) 2,2'-oxybis(1-Chloropropan	6.88	45	163449	38.95	ng	#	56
17) 2-Methylphenol	6.87	107	111436	38.62	ng		98
18) Hexachloroethane	7.08	117	54250	35.43	ng		99
19) n-Nitroso-di-n-propylamine	7.02	70	112164	40.29	ng		98
20) 3+4-Methylphenols	7.02	107	150851	38.51	ng	#	79
22) Acetophenone	7.00	105	215141	39.61	ng	#	99
24) Nitrobenzene	7.18	77	161649	40.03	ng		98
25) Isophorone	7.42	82	289495	41.03	ng		100
26) 2-Nitrophenol	7.50	139	71159	37.79	ng	#	77
27) 2,4-Dimethylphenol	7.54	122	114610	36.12	ng		99
28) bis(2-Chloroethoxy)methane	7.63	93	183308	41.54	ng		99
29) 2,4-Dichlorophenol	7.74	162	119113	41.66	ng		99
30) 1,2,4-Trichlorobenzene	7.82	180	123007	38.86	ng		99
31) Naphthalene	7.88	128	385501m	35.11	ng		
32) Benzoic acid	7.66	122	15296	6.27	ng	#	84
33) 4-Chloroaniline	7.95	127	92101	19.95	ng		95
34) Hexachlorobutadiene	8.01	225	66582	37.79	ng		97
35) Caprolactam	8.32	113	33501	37.73	ng		96
36) 4-Chloro-3-methylphenol	8.44	107	127705	37.07	ng		96
37) 2-Methylnaphthalene	8.58	142	272447	38.91	ng		99
39) 1,2,4,5-Tetrachlorobenzene	8.74	216	107162	31.98	ng		99
40) Hexachlorocyclopentadiene	8.73	237	26715	29.75	ng		100

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	8.87	196	72954	38.90	ng		97
43) 2,4,5-Trichlorophenol	8.91	196	85613	45.48	ng		94
45) 1,1'-Biphenyl	9.05	154	304616	37.52	ng		95
46) 2-Chloronaphthalene	9.06	162	237495	38.50	ng		99
47) 2-Nitroaniline	9.18	65	78661	37.17	ng	#	71
48) Acenaphthylene	9.47	152	377727	38.94	ng		99
49) Dimethylphthalate	9.36	163	395429	57.16	ng		99
50) 2,6-Dinitrotoluene	9.42	165	64237	41.13	ng	#	82
51) Acenaphthene	9.64	154	216193	37.68	ng		98
52) 3-Nitroaniline	9.59	138	49760	26.83	ng		93
53) 2,4-Dinitrophenol	9.70	184	8522	18.09	ng	#	82
54) Dibenzofuran	9.82	168	323630	41.74	ng		99
55) 4-Nitrophenol	9.77	139	78029m	69.53	ng		
56) 2,4-Dinitrotoluene	9.82	165	76481	38.02	ng	#	79
57) Fluorene	10.16	166	261380	39.72	ng		99
58) 2,3,4,6-Tetrachlorophenol	9.94	232	55965m	41.39	ng		
59) Diethylphthalate	10.04	149	293587	42.80	ng		98
60) 4-Chlorophenyl-phenylether	10.16	204	117901	39.24	ng		92
61) 4-Nitroaniline	10.19	138	57454	31.83	ng		98
62) Azobenzene	10.32	77	303452	40.70	ng		84
64) 4,6-Dinitro-2-methylphenol	10.23	198	15409	17.30	ng		71
65) n-Nitrosodiphenylamine	10.27	169	224446	43.89	ng		99
66) 4-Bromophenyl-phenylether	10.64	248	66855	44.16	ng		95
67) Hexachlorobenzene	10.71	284	62525	38.40	ng	#	96
68) Atrazine	10.81	200	68230	42.67	ng		99
69) Pentachlorophenol	10.90	266	58052	77.27	ng		99
70) Phenanthrene	11.11	178	326148	38.86	ng		100
71) Anthracene	11.16	178	345326	39.58	ng		99
72) Carbazole	11.32	167	306151	39.95	ng		99
73) Di-n-butylphthalate	11.67	149	418667	44.17	ng	#	98
74) Fluoranthene	12.28	202	293997	33.33	ng		99
76) Benzidine	12.42	184	114229	37.37	ng		98
77) Pyrene	12.51	202	296609	40.40	ng		98
79) Butylbenzylphthalate	13.14	149	132615	42.70	ng		95
80) Benzo(a)anthracene	13.69	228	216110	38.17	ng		100
81) 3,3'-Dichlorobenzidine	13.67	252	73970	39.39	ng		99
82) Chrysene	13.74	228	225797	41.75	ng		100
83) Bis(2-ethylhexyl)phthalate	13.71	149	187138	45.43	ng	#	95
84) Di-n-octyl phthalate	14.32	149	309378	45.52	ng		100
85) Indeno(1,2,3-cd)pyrene	16.27	276	199128	50.69	ng		99
87) Benzo(b)fluoranthene	14.70	252	247475m	38.27	ng		
88) Benzo(k)fluoranthene	14.72	252	198527m	42.93	ng		
89) Benzo(a)pyrene	14.99	252	215195	42.86	ng		98
90) Dibenzo(a,h)anthracene	16.29	278	171060	43.15	ng		97
91) Benzo(g,h,i)perylene	16.63	276	154761	38.72	ng		95

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

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