Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
Data File : BN000109.D
Acq On : 15 Feb 2018 22:09
Operator : JU/SJ
Sample : J1161-09
Misc : 8 PPM MDL
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-WATER-03-QT1-2018

Quant Time: Feb 16 04:00:51 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 07 18:24:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	360470	20.00	ng		0.00
21) Naphthalene-d8	11.30	136	1838176	20.00	ng		-0.01
38) Acenaphthene-d10	15.07	164	1120048	20.00	ng		-0.01
63) Phenanthrene-d10	17.79	188	2450362	20.00	ng		-0.01
75) Chrysene-d12	21.90	240	2652163	20.00	ng		-0.02
86) Perylene-d12	24.39	264	2781586	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.93	112	2875031	129.99	ng		-0.01
7) Phenol-d6	7.58	99	4229392	126.24	ng		-0.01
23) Nitrobenzene-d5	9.64	82	3005446	97.21	ng		-0.01
41) 2,4,6-Tribromophenol	16.54	330	1461772	131.85	ng		-0.01
44) 2-Fluorobiphenyl	13.70	172	7455337	93.81	ng		-0.01
78) Terphenyl-d14	20.35	244	9251534	94.19	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.66	88	68617	7.710	ng		95
3) Pyridine	4.11	79	196962	7.110	ng		96
4) n-Nitrosodimethylamine	4.00	42	54391	6.942	ng		96
6) Aniline	7.76	93	323296	7.004	ng		90
8) 2-Chlorophenol	8.01	128	187325	7.242	ng		87
9) Benzaldehyde	7.58	77	104783	5.027	ng		90
10) Phenol	7.61	94	254938	7.209	ng		89
11) bis(2-Chloroethyl)ether	7.86	93	213776	7.350	ng	#	82
12) 1,3-Dichlorobenzene	8.35	146	215283	7.325	ng		99
13) 1,4-Dichlorobenzene	8.50	146	221737	7.388	ng		98
14) 1,2-Dichlorobenzene	8.82	146	218938	7.411	ng		96
15) Benzyl Alcohol	8.69	79	152774	6.344	ng		88
16) 2,2'-oxybis(1-Chloropropan	8.98	45	221592	7.197	ng		81
17) 2-Methylphenol	8.89	107	169325	6.737	ng		93
18) Hexachloroethane	9.57	117	70880	6.784	ng	#	81
19) n-Nitroso-di-n-propylamine	9.26	70	145445	6.479	ng	#	85
20) 3+4-Methylphenols	9.22	107	225074	6.403	ng		92
22) Acetophenone	9.29	105	362337	7.034	ng	#	87
24) Nitrobenzene	9.68	77	260680	7.713	ng	#	94
25) Isophorone	10.20	82	400951	6.274	ng		97
26) 2-Nitrophenol	10.40	139	65804	11.232	ng		90
27) 2,4-Dimethylphenol	10.43	122	168761	6.091	ng		93
28) bis(2-Chloroethoxy)methane	10.68	93	286705	6.995	ng		97
29) 2,4-Dichlorophenol	10.93	162	149139	5.816	ng		94
30) 1,2,4-Trichlorobenzene	11.16	180	209723	7.102	ng		98
31) Naphthalene	11.35	128	741150	7.354	ng		97
32) Benzoic acid	10.49	122	54406	12.606	ng	#	81
33) 4-Chloroaniline	11.45	127	282725	6.386	ng		95
34) Hexachlorobutadiene	11.63	225	109351	7.142	ng		95
35) Caprolactam	12.17	113	49756	8.086	ng		97
36) 4-Chloro-3-methylphenol	12.53	107	188539	5.792	ng		99
37) 2-Methylnaphthalene	12.93	142	504694	7.198	ng		94
39) 1,2,4,5-Tetrachlorobenzene	13.28	216	234270	7.086	ng	#	96
40) Hexachlorocyclopentadiene	13.26	237	77655	5.635	ng		91

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
42) 2,4,6-Trichlorophenol	13.51	196	109413	5.522 ng		98
43) 2,4,5-Trichlorophenol	13.58	196	135658	5.695 ng	#	92
45) 1,1'-Biphenyl	13.91	154	731404	7.414 ng		98
46) 2-Chloronaphthalene	13.96	162	531186	7.177 ng		98
47) 2-Nitroaniline	14.15	65	98092	8.937 ng		88
48) Acenaphthylene	14.80	152	820406	6.880 ng		98
49) Dimethylphthalate	14.50	163	654026	6.985 ng		99
50) 2,6-Dinitrotoluene	14.63	165	108252	5.601 ng		92
51) Acenaphthene	15.13	154	545964	7.033 ng		99
52) 3-Nitroaniline	14.96	138	130779	5.566 ng	#	88
53) 2,4-Dinitrophenol	15.16	184	22944	12.189 ng	#	10
54) Dibenzofuran	15.46	168	813247	7.398 ng		96
55) 4-Nitrophenol	15.23	139	81166	8.930 ng	#	79
56) 2,4-Dinitrotoluene	15.40	165	130941	8.503 ng		96
57) Fluorene	16.10	166	657990	7.330 ng		96
58) 2,3,4,6-Tetrachlorophenol	15.67	232	111105	5.910 ng	#	84
59) Diethylphthalate	15.85	149	649064	6.822 ng		96
60) 4-Chlorophenyl-phenylether	16.09	204	300492	7.346 ng		90
61) 4-Nitroaniline	16.10	138	131638	5.453 ng		97
62) Azobenzene	16.38	77	647970	6.841 ng		91
64) 4,6-Dinitro-2-methylphenol	16.16	198	44609	11.855 ng		92
65) n-Nitrosodiphenylamine	16.30	169	554519	6.955 ng		96
66) 4-Bromophenyl-phenylether	16.97	248	159406	6.841 ng	#	83
67) Hexachlorobenzene	17.09	284	193531	7.112 ng	#	87
68) Atrazine	17.22	200	142423	5.488 ng		95
69) Pentachlorophenol	17.43	266	83891	9.982 ng		96
70) Phenanthrene	17.83	178	1062844	7.343 ng		100
71) Anthracene	17.92	178	988331	7.052 ng		97
72) Carbazole	18.18	167	991288	7.021 ng		97
73) Di-n-butylphthalate	18.71	149	915236	5.872 ng	#	98
74) Fluoranthene	19.80	202	1086102	7.153 ng		95
76) Benzidine	19.97	184	257202	3.042 ng	#	94
77) Pyrene	20.16	202	1217760	7.224 ng		99
79) Butylbenzylphthalate	21.02	149	356734	9.337 ng	#	94
80) Benzo(a)anthracene	21.89	228	1191217	7.307 ng		98
81) 3,3'-Dichlorobenzidine	21.80	252	340129	5.681 ng	#	96
82) Chrysene	21.94	228	1211897	7.460 ng		98
83) Bis(2-ethylhexyl)phthalate	21.78	149	576393	7.467 ng	#	92
84) Di-n-octyl phthalate	22.74	149	816715	9.844 ng		96
85) Indeno(1,2,3-cd)pyrene	26.94	276	1356209	6.796 ng	#	87
87) Benzo(b)fluoranthene	23.63	252	1153564	7.085 ng	#	96
88) Benzo(k)fluoranthene	23.67	252	1201753	7.329 ng	#	94
89) Benzo(a)pyrene	24.27	252	1100341	7.047 ng	#	95
90) Dibenzo(a,h)anthracene	26.96	278	1157264	7.088 ng	#	92
91) Benzo(g,h,i)perylene	27.72	276	1127196	6.827 ng	#	90

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

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