Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102218\
Data File : BM017283.D
Acq On : 22 Oct 2018 17:40
Operator : MJ/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTDCCC040EC

Quant Time: Oct 23 07:21:05 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 17 14:23:17 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.66 | 152 | 350414 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.43 | 136 | 1637682 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.30 | 164 | 987842 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.06 | 188 | 2227358 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.25 | 240 | 2050527 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 23.46 | 264 | 1705313 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.27 | 112 | 1770533 | 85.46 | ng | | -0.01 |
| 7) Phenol-d6 | 6.85 | 99 | 2539650 | 90.00 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 8.82 | 82 | 2511497 | 89.69 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.80 | 330 | 1210267 | 90.59 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 12.92 | 172 | 6179796 | 83.24 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.69 | 244 | 8980365 | 98.71 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.26 | 88 | 387503 | 36.628 | ng | | 88 |
| 3) Pyridine | 3.64 | 79 | 1009275 | 41.461 | ng | | 87 |
| 4) n-Nitrosodimethylamine | 3.56 | 42 | 386236 | 39.524 | ng | # | 73 |
| 6) Aniline | 7.00 | 93 | 1543761 | 43.740 | ng | | 98 |
| 8) 2-Chlorophenol | 7.23 | 128 | 1067561 | 44.540 | ng | | 97 |
| 9) Benzaldehyde | 6.82 | 77 | 729888 | 40.568 | ng | | 97 |
| 10) Phenol | 6.87 | 94 | 1323145 | 43.570 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.10 | 93 | 1037095 | 42.840 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.55 | 146 | 1167669 | 41.791 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.70 | 146 | 1196508 | 41.915 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.01 | 146 | 1162983 | 42.284 | ng | | 100 |
| 15) Benzyl Alcohol | 7.90 | 79 | 1012093 | 49.071 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.19 | 45 | 1374980 | 40.654 | ng | | 99 |
| 17) 2-Methylphenol | 8.10 | 107 | 897290 | 46.033 | ng | | 99 |
| 18) Hexachloroethane | 8.72 | 117 | 423012 | 43.300 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.47 | 70 | 892282 | 48.024 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.44 | 107 | 1277614 | 47.922 | ng | | 98 |
| 22) Acetophenone | 8.48 | 105 | 1708979 | 41.167 | ng | # | 99 |
| 24) Nitrobenzene | 8.86 | 77 | 1263211 | 42.648 | ng | | 95 |
| 25) Isophorone | 9.39 | 82 | 2091823 | 45.240 | ng | | 99 |
| 26) 2-Nitrophenol | 9.56 | 139 | 667969 | 48.164 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.63 | 122 | 933424 | 45.654 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 9.86 | 93 | 1407128 | 43.237 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.09 | 162 | 1120852 | 47.216 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.30 | 180 | 1206268 | 42.359 | ng | | 99 |
| 31) Naphthalene | 10.49 | 128 | 3347987 | 41.716 | ng | | 99 |
| 32) Benzoic acid | 9.80 | 122 | 743261 | 48.721 | ng | | 92 |
| 33) 4-Chloroaniline | 10.60 | 127 | 1558112 | 44.952 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.77 | 225 | 744533 | 41.262 | ng | | 98 |
| 35) Caprolactam | 11.42 | 113 | 397757 | 45.976 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 11.74 | 107 | 1256770 | 46.967 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.10 | 142 | 2453703 | 44.678 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.33 | 142 | 2366136 | 44.266 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.47 | 216 | 1464782 | 42.105 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.45 | 237 | 673873 | 40.069 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.73 | 196 | 966281 | 47.848 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 12.80 | 196 | 1014457 | 46.845 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.13 | 154 | 3694549 | 41.561 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.17 | 162 | 2730680 | 41.755 | ng | | 98 |
| 48) 2-Nitroaniline | 13.39 | 65 | 817809 | 44.706 | ng | | 95 |
| 49) Acenaphthylene | 14.02 | 152 | 4148389 | 43.762 | ng | | 99 |
| 50) Dimethylphthalate | 13.77 | 163 | 3311530 | 43.451 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.89 | 165 | 761714 | 45.410 | ng | | 99 |
| 52) Acenaphthene | 14.37 | 154 | 2516581 | 42.282 | ng | | 98 |
| 53) 3-Nitroaniline | 14.22 | 138 | 814704 | 44.845 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 14.43 | 184 | 251988 | 31.200 | ng | | 98 |
| 55) Dibenzofuran | 14.71 | 168 | 4058910 | 41.009 | ng | | 99 |
| 56) 4-Nitrophenol | 14.54 | 139 | 616719 | 39.768 | ng | | 100 |
| 57) 2,4-Dinitrotoluene | 14.69 | 165 | 1043916 | 46.304 | ng | # | 99 |
| 58) Fluorene | 15.36 | 166 | 3092340 | 42.210 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.93 | 232 | 908069 | 46.002 | ng | | 100 |
| 60) Diethylphthalate | 15.14 | 149 | 3399153 | 44.974 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.36 | 204 | 1754270 | 42.003 | ng | | 97 |
| 62) 4-Nitroaniline | 15.39 | 138 | 843646 | 42.244 | ng | | 99 |
| 63) Azobenzene | 15.65 | 77 | 3146020 | 42.824 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.44 | 198 | 425229 | 32.395 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.57 | 169 | 2976270 | 44.166 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.25 | 248 | 1120371 | 45.811 | ng | | 96 |
| 68) Hexachlorobenzene | 16.36 | 284 | 1234781 | 43.465 | ng | | 98 |
| 69) Atrazine | 16.54 | 200 | 1096094 | 45.446 | ng | | 97 |
| 70) Pentachlorophenol | 16.70 | 266 | 799091 | 41.061 | ng | | 99 |
| 71) Phenanthrene | 17.10 | 178 | 4945661 | 41.154 | ng | | 100 |
| 72) Anthracene | 17.19 | 178 | 4940923 | 43.271 | ng | | 100 |
| 73) Carbazole | 17.46 | 167 | 4960209 | 42.525 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.03 | 149 | 5831247 | 47.399 | ng | | 99 |
| 75) Fluoranthene | 19.12 | 202 | 5603502 | 41.438 | ng | | 99 |
| 77) Benzidine | 19.32 | 184 | 2926793 | 56.291 | ng | | 99 |
| 78) Pyrene | 19.48 | 202 | 5753579 | 50.204 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.40 | 149 | 2554052 | 56.985 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.23 | 228 | 4992094 | 43.262 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.17 | 252 | 1976047 | 45.947 | ng | | 99 |
| 83) Chrysene | 21.29 | 228 | 4747891 | 41.570 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 3537708 | 52.464 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.04 | 149 | 5427940 | 48.016 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 25.67 | 276 | 4052947 | 31.726 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 22.80 | 252 | 4114489 | 44.130 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 22.84 | 252 | 4025785 | 43.031 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.36 | 252 | 3730727 | 42.143 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 25.69 | 278 | 3416462 | 38.867 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 26.34 | 276 | 3361474 | 38.584 | ng | | 99 |

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

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