Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
Data File : BM016048.D
Acq On : 24 Jul 2018 04:49
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTDCCC040

Quant Time: Jul 24 05:23:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 23 16:08:38 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.23 | 152 | 41778 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.05 | 136 | 177736 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.85 | 164 | 98142 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.58 | 188 | 213049 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.70 | 240 | 242257 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.07 | 264 | 242654 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.74 | 112 | 209556 | 83.32 | ng | | 0.00 |
| 7) Phenol-d6 | 7.38 | 99 | 266902 | 81.26 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.42 | 82 | 327230 | 85.63 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.34 | 330 | 97709 | 78.50 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.47 | 172 | 674448 | 83.62 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.15 | 244 | 971177 | 83.92 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 46659 | 39.596 | ng | # | 100 |
| 3) Pyridine | 3.96 | 79 | 109720 | 38.651 | ng | # | 72 |
| 4) n-Nitrosodimethylamine | 3.87 | 42 | 88728 | 40.073 | ng | # | 35 |
| 6) Aniline | 7.55 | 93 | 151024 | 39.935 | ng | # | 89 |
| 8) 2-Chlorophenol | 7.79 | 128 | 121251 | 40.564 | ng | | 96 |
| 9) Benzaldehyde | 7.37 | 77 | 93467 | 40.503 | ng | | 92 |
| 10) Phenol | 7.41 | 94 | 132714 | 40.409 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.65 | 93 | 100976 | 38.918 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 8.11 | 146 | 140127 | 40.050 | ng | # | 89 |
| 13) 1,4-Dichlorobenzene | 8.26 | 146 | 141059 | 39.752 | ng | # | 94 |
| 14) 1,2-Dichlorobenzene | 8.58 | 146 | 137149 | 39.500 | ng | # | 93 |
| 15) Benzyl Alcohol | 8.48 | 79 | 107095 | 40.949 | ng | # | 85 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.75 | 45 | 155047 | 39.046 | ng | | 98 |
| 17) 2-Methylphenol | 8.67 | 107 | 91942 | 40.958 | ng | # | 82 |
| 18) Hexachloroethane | 9.30 | 117 | 63997 | 41.722 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 9.05 | 70 | 96471 | 40.185 | ng | # | 76 |
| 20) 3+4-Methylphenols | 9.01 | 107 | 124420 | 38.523 | ng | | 87 |
| 22) Acetophenone | 9.07 | 105 | 177758 | 39.719 | ng | # | 84 |
| 24) Nitrobenzene | 9.46 | 77 | 154651 | 40.206 | ng | | 99 |
| 25) Isophorone | 9.97 | 82 | 210065 | 40.188 | ng | # | 94 |
| 26) 2-Nitrophenol | 10.17 | 139 | 62333 | 38.820 | ng | # | 50 |
| 27) 2,4-Dimethylphenol | 10.22 | 122 | 88505 | 39.563 | ng | # | 81 |
| 28) bis(2-Chloroethoxy)methane | 10.45 | 93 | 135168 | 39.787 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.70 | 162 | 111554 | 41.965 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.91 | 180 | 129771 | 40.179 | ng | | 97 |
| 31) Naphthalene | 11.10 | 128 | 355173 | 39.484 | ng | | 99 |
| 32) Benzoic acid | 10.37 | 122 | 62276 | 36.519 | ng | | 86 |
| 33) 4-Chloroaniline | 11.22 | 127 | 150465 | 40.990 | ng | # | 87 |
| 34) Hexachlorobutadiene | 11.36 | 225 | 93326 | 41.656 | ng | | 97 |
| 35) Caprolactam | 12.02 | 113 | 29259 | 39.740 | ng | | 90 |
| 36) 4-Chloro-3-methylphenol | 12.33 | 107 | 120462 | 41.201 | ng | | 88 |
| 37) 2-Methylnaphthalene | 12.69 | 142 | 244606 | 40.593 | ng | # | 90 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.06 | 216 | 135764 | 40.633 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 13.02 | 237 | 60546 | 41.049 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.30 | 196 | 86457 | 41.358 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.37 | 196 | 86945 | 40.322 | ng | # | 83 |
| 45) 1,1'-Biphenyl | 13.69 | 154 | 351340 | 39.668 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.74 | 162 | 279564 | 40.582 | ng | # | 89 |
| 47) 2-Nitroaniline | 13.96 | 65 | 91303 | 40.089 | ng | # | 76 |
| 48) Acenaphthylene | 14.58 | 152 | 411249 | 40.779 | ng | | 100 |
| 49) Dimethylphthalate | 14.30 | 163 | 338800 | 39.446 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.45 | 165 | 72029 | 41.680 | ng | # | 64 |
| 51) Acenaphthene | 14.92 | 154 | 246809 | 39.793 | ng | | 97 |
| 52) 3-Nitroaniline | 14.77 | 138 | 72712 | 38.955 | ng | # | 67 |
| 53) 2,4-Dinitrophenol | 15.00 | 184 | 25330 | 37.643 | ng | # | 82 |
| 54) Dibenzofuran | 15.25 | 168 | 411216 | 40.233 | ng | # | 83 |
| 55) 4-Nitrophenol | 15.08 | 139 | 51592 | 38.557 | ng | | 85 |
| 56) 2,4-Dinitrotoluene | 15.23 | 165 | 97839 | 39.595 | ng | # | 87 |
| 57) Fluorene | 15.89 | 166 | 306504 | 40.356 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.47 | 232 | 76378 | 41.209 | ng | # | 100 |
| 59) Diethylphthalate | 15.65 | 149 | 374613 | 40.465 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 15.88 | 204 | 170061 | 40.222 | ng | # | 83 |
| 61) 4-Nitroaniline | 15.93 | 138 | 70717 | 39.487 | ng | # | 10 |
| 62) Azobenzene | 16.17 | 77 | 409750 | 42.027 | ng | | 76 |
| 64) 4,6-Dinitro-2-methylphenol | 15.99 | 198 | 51841 | 40.089 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 16.10 | 169 | 287540 | 40.987 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.77 | 248 | 99012 | 41.042 | ng | # | 76 |
| 67) Hexachlorobenzene | 16.89 | 284 | 108280 | 40.758 | ng | # | 64 |
| 68) Atrazine | 17.03 | 200 | 103223 | 41.054 | ng | | 97 |
| 69) Pentachlorophenol | 17.23 | 266 | 65446 | 39.783 | ng | | 98 |
| 70) Phenanthrene | 17.63 | 178 | 473492 | 39.697 | ng | | 99 |
| 71) Anthracene | 17.72 | 178 | 468904 | 40.449 | ng | | 98 |
| 72) Carbazole | 17.99 | 167 | 485285 | 40.408 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.51 | 149 | 618669 | 41.341 | ng | # | 96 |
| 74) Fluoranthene | 19.61 | 202 | 539579 | 40.554 | ng | | 99 |
| 76) Benzidine | 19.79 | 184 | 272724 | 40.286 | ng | | 99 |
| 77) Pyrene | 19.97 | 202 | 574081 | 39.543 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.82 | 149 | 301206 | 40.841 | ng | # | 79 |
| 80) Benzo(a)anthracene | 21.69 | 228 | 589636 | 39.518 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.61 | 252 | 243938 | 40.589 | ng | | 97 |
| 82) Chrysene | 21.74 | 228 | 568935 | 39.750 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 436112 | 40.802 | ng | # | 90 |
| 84) Di-n-octyl phthalate | 22.48 | 149 | 722091 | 40.197 | ng | # | 89 |
| 85) Indeno(1,2,3-cd)pyrene | 26.50 | 276 | 672986 | 39.623 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 23.35 | 252 | 585843 | 41.006 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 23.40 | 252 | 572683 | 39.553 | ng | | 98 |
| 89) Benzo(a)pyrene | 23.97 | 252 | 554290 | 40.357 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 26.50 | 278 | 572481 | 40.231 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 27.25 | 276 | 535679 | 39.802 | ng | # | 93 |

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

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