Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081318\
Data File : BM016337.D
Acq On : 13 Aug 2018 23:27
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 14 00:05:13 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 10 18:44:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.12 | 152 | 29096 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.93 | 136 | 118595 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.76 | 164 | 59369 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.49 | 188 | 122152 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 21.62 | 240 | 150735 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 23.95 | 264 | 157706 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.65 | 112 | 143325 | 81.83 | ng | | -0.01 |
| 7) Phenol-d6 | 7.29 | 99 | 173542 | 75.87 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.31 | 82 | 223922 | 87.82 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.25 | 330 | 54430 | 72.29 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.37 | 172 | 455921 | 93.44 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.07 | 244 | 591743 | 82.18 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.45 | 88 | 37424 | 45.601 | ng | # | 100 |
| 3) Pyridine | 3.89 | 79 | 72179 | 36.509 | ng | # | 65 |
| 4) n-Nitrosodimethylamine | 3.80 | 42 | 74218 | 48.130 | ng | # | 28 |
| 6) Aniline | 7.45 | 93 | 94566 | 35.905 | ng | # | 83 |
| 8) 2-Chlorophenol | 7.68 | 128 | 82262 | 39.516 | ng | | 97 |
| 9) Benzaldehyde | 7.27 | 77 | 59955 | 37.305 | ng | | 84 |
| 10) Phenol | 7.32 | 94 | 85804 | 37.513 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.55 | 93 | 67829 | 37.537 | ng | | 85 |
| 12) 1,3-Dichlorobenzene | 8.00 | 146 | 96548 | 39.622 | ng | # | 87 |
| 13) 1,4-Dichlorobenzene | 8.16 | 146 | 98069 | 39.683 | ng | # | 95 |
| 14) 1,2-Dichlorobenzene | 8.48 | 146 | 94649 | 39.141 | ng | # | 92 |
| 15) Benzyl Alcohol | 8.38 | 79 | 72694 | 39.911 | ng | # | 80 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65 | 45 | 88376 | 31.956 | ng | | 94 |
| 17) 2-Methylphenol | 8.58 | 107 | 60358 | 38.607 | ng | # | 77 |
| 18) Hexachloroethane | 9.19 | 117 | 47045 | 44.039 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.93 | 70 | 62851 | 37.592 | ng | # | 64 |
| 20) 3+4-Methylphenols | 8.91 | 107 | 80341 | 35.718 | ng | # | 84 |
| 22) Acetophenone | 8.96 | 105 | 117952 | 39.499 | ng | # | 79 |
| 24) Nitrobenzene | 9.35 | 77 | 105242 | 41.005 | ng | | 94 |
| 25) Isophorone | 9.87 | 82 | 136123 | 39.029 | ng | # | 94 |
| 26) 2-Nitrophenol | 10.06 | 139 | 41702 | 38.923 | ng | # | 42 |
| 27) 2,4-Dimethylphenol | 10.11 | 122 | 57165 | 38.297 | ng | # | 76 |
| 28) bis(2-Chloroethoxy)methane | 10.35 | 93 | 82986 | 36.608 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.59 | 162 | 71531 | 40.328 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.80 | 180 | 89043 | 41.317 | ng | # | 96 |
| 31) Naphthalene | 10.99 | 128 | 230473 | 38.398 | ng | | 99 |
| 32) Benzoic acid | 10.30 | 122 | 38535 | 33.866 | ng | # | 76 |
| 33) 4-Chloroaniline | 11.12 | 127 | 92795 | 37.886 | ng | # | 86 |
| 34) Hexachlorobutadiene | 11.23 | 225 | 73647 | 49.266 | ng | | 97 |
| 35) Caprolactam | 11.93 | 113 | 17003 | 34.610 | ng | # | 84 |
| 36) 4-Chloro-3-methylphenol | 12.23 | 107 | 76062 | 38.988 | ng | | 87 |
| 37) 2-Methylnaphthalene | 12.59 | 142 | 155716 | 38.728 | ng | # | 86 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.95 | 216 | 95015 | 47.009 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.90 | 237 | 16735 | 22.923 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.20 | 196 | 55792 | 44.119 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.28 | 196 | 55319 | 42.410 | ng | # | 79 |
| 45) 1,1'-Biphenyl | 13.59 | 154 | 225229 | 42.037 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.64 | 162 | 173194 | 41.561 | ng | # | 88 |
| 47) 2-Nitroaniline | 13.86 | 65 | 58042 | 42.129 | ng | # | 74 |
| 48) Acenaphthylene | 14.48 | 152 | 247236 | 40.527 | ng | | 98 |
| 49) Dimethylphthalate | 14.22 | 163 | 216822 | 41.731 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.36 | 165 | 42482 | 40.637 | ng | # | 49 |
| 51) Acenaphthene | 14.82 | 154 | 148277 | 39.520 | ng | | 96 |
| 52) 3-Nitroaniline | 14.69 | 138 | 40843 | 36.172 | ng | # | 71 |
| 53) 2,4-Dinitrophenol | 14.92 | 184 | 12166 | 31.148 | ng | # | 59 |
| 54) Dibenzofuran | 15.15 | 168 | 249483 | 40.351 | ng | # | 77 |
| 55) 4-Nitrophenol | 15.02 | 139 | 23769 | 29.364 | ng | # | 83 |
| 56) 2,4-Dinitrotoluene | 15.15 | 165 | 61244 | 40.972 | ng | # | 56 |
| 57) Fluorene | 15.80 | 166 | 184503 | 40.157 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.39 | 232 | 47264 | 42.155 | ng | # | 100 |
| 59) Diethylphthalate | 15.56 | 149 | 238663 | 42.617 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 15.79 | 204 | 110990 | 43.395 | ng | # | 81 |
| 61) 4-Nitroaniline | 15.86 | 138 | 38849 | 35.860 | ng | # | 1 |
| 62) Azobenzene | 16.08 | 77 | 268564 | 45.536 | ng | # | 73 |
| 64) 4,6-Dinitro-2-methylphenol | 15.92 | 198 | 26010 | 35.081 | ng | | 84 |
| 65) n-Nitrosodiphenylamine | 16.00 | 169 | 168046 | 41.779 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 16.67 | 248 | 62061 | 44.868 | ng | # | 72 |
| 67) Hexachlorobenzene | 16.80 | 284 | 60993 | 40.042 | ng | # | 56 |
| 68) Atrazine | 16.95 | 200 | 60465 | 41.943 | ng | | 96 |
| 69) Pentachlorophenol | 17.15 | 266 | 33987 | 36.033 | ng | | 96 |
| 70) Phenanthrene | 17.53 | 178 | 263909 | 38.590 | ng | | 98 |
| 71) Anthracene | 17.63 | 178 | 262565 | 39.504 | ng | | 97 |
| 72) Carbazole | 17.90 | 167 | 265141 | 38.506 | ng | # | 95 |
| 73) Di-n-butylphthalate | 18.42 | 149 | 368525 | 42.951 | ng | # | 96 |
| 74) Fluoranthene | 19.53 | 202 | 306164 | 40.134 | ng | | 97 |
| 76) Benzidine | 19.72 | 184 | 141399 | 33.569 | ng | | 98 |
| 77) Pyrene | 19.89 | 202 | 326924 | 36.192 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.74 | 149 | 176916 | 38.553 | ng | # | 76 |
| 80) Benzo(a)anthracene | 21.60 | 228 | 373707 | 40.253 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.53 | 252 | 145134 | 38.812 | ng | | 96 |
| 82) Chrysene | 21.66 | 228 | 353948 | 39.744 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.49 | 149 | 258405 | 38.855 | ng | | 90 |
| 84) Di-n-octyl phthalate | 22.39 | 149 | 446891 | 39.982 | ng | # | 88 |
| 85) Indeno(1,2,3-cd)pyrene | 26.33 | 276 | 455348 | 43.087 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 23.24 | 252 | 371240 | 39.981 | ng | # | 93 |
| 88) Benzo(k)fluoranthene | 23.29 | 252 | 373189 | 39.658 | ng | # | 96 |
| 89) Benzo(a)pyrene | 23.85 | 252 | 362935 | 40.659 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 26.33 | 278 | 386460 | 41.787 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 27.06 | 276 | 352881 | 40.343 | ng | # | 90 |

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

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