Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN020618\
Data File : BN000026.D
Acq On : 06 Feb 2018 11:19
Operator :
Sample : MDL-S-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-S-05

**Manual Integrations APPROVED**
Sohil
2/7/2018 5:15:31 PM

Quant Time: Feb 07 16:42:13 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 15:24:10 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.48 | 152 | 333108 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 11.32 | 136 | 1628274 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 15.08 | 164 | 984350 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.80 | 188 | 2342383 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 21.94 | 240 | 2679407 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 24.44 | 264 | 2792716 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.95 | 112 | 3302746 | 146.19 | ng | | 0.00 |
| 7) Phenol-d6 | 7.59 | 99 | 4642983 | 135.30 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.65 | 82 | 2293216 | 85.16 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.55 | 330 | 1255437 | 126.87 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.72 | 172 | 6158877 | 83.80 | ng | | -0.01 |
| 78) Terphenyl-d14 | 20.37 | 244 | 9306804 | 91.68 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.66 | 88 | 27362 | 3.061 | ng | # | 85 |
| 3) Pyridine | 4.14 | 79 | 47547 | 1.754 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 4.02 | 42 | 21143 | 2.651 | ng | # | 96 |
| 6) Aniline | 7.78 | 93 | 116398 | 2.488 | ng | | 90 |
| 8) 2-Chlorophenol | 8.02 | 128 | 86778 | 3.472 | ng | | 91 |
| 9) Benzaldehyde | 7.59 | 77 | 73654 | 1.831 | ng | | 98 |
| 10) Phenol | 7.62 | 94 | 126689 | 3.612 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.88 | 93 | 82897 | 2.962 | ng | # | 82 |
| 12) 1,3-Dichlorobenzene | 8.36 | 146 | 81869 | 2.951 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.51 | 146 | 85354 | 2.995 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.83 | 146 | 83367 | 2.961 | ng | | 90 |
| 15) Benzyl Alcohol | 8.70 | 79 | 60622 | 2.406 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.00 | 45 | 90386 | 2.986 | ng | | 78 |
| 17) 2-Methylphenol | 8.90 | 107 | 71005 | 2.807 | ng | | 97 |
| 18) Hexachloroethane | 9.58 | 117 | 26554 | 2.717 | ng | # | 81 |
| 19) n-Nitroso-di-n-propylamine | 9.28 | 70 | 48768 | 2.109 | ng | # | 85 |
| 20) 3+4-Methylphenols | 9.23 | 107 | 91917 | 2.595 | ng | | 91 |
| 22) Acetophenone | 9.30 | 105 | 130411 | 2.712 | ng | # | 85 |
| 24) Nitrobenzene | 9.69 | 77 | 101273 | 3.506 | ng | | 94 |
| 25) Isophorone | 10.22 | 82 | 145091 | 2.275 | ng | # | 94 |
| 26) 2-Nitrophenol | 10.41 | 139 | 18796 | 8.987 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 10.45 | 122 | 97310 | 3.721 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 10.70 | 93 | 112621 | 3.061 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.95 | 162 | 57450 | 2.560 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 11.17 | 180 | 77112 | 2.935 | ng | | 97 |
| 31) Naphthalene | 11.36 | 128 | 281685 | 3.085 | ng | | 98 |
| 32) Benzoic acid | 10.48 | 122 | 20578m | 7.789 | ng | | |
| 33) 4-Chloroaniline | 11.46 | 127 | 105917 | 2.502 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.65 | 225 | 37962 | 2.836 | ng | | 97 |
| 35) Caprolactam | 12.18 | 113 | 15360 | 1.540 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.54 | 107 | 69763 | 2.286 | ng | # | 94 |
| 37) 2-Methylnaphthalene | 12.94 | 142 | 192426 | 2.982 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.30 | 216 | 86918 | 3.031 | ng | # | 95 |
| 40) Hexachlorocyclopentadiene | 13.28 | 237 | 27148 | 2.835 | ng | | 93 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.52 | 196 | 34435 | 2.032 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.59 | 196 | 43087 | 2.159 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 13.93 | 154 | 287111 | 3.264 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.97 | 162 | 198352 | 3.004 | ng | | 97 |
| 47) 2-Nitroaniline | 14.16 | 65 | 29204 | 8.647 | ng | | 96 |
| 48) Acenaphthylene | 14.81 | 152 | 276602 | 2.495 | ng | | 98 |
| 49) Dimethylphthalate | 14.52 | 163 | 228995 | 2.603 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.64 | 165 | 27712 | 7.007 | ng | | 92 |
| 51) Acenaphthene | 15.15 | 154 | 205221 | 2.933 | ng | | 98 |
| 52) 3-Nitroaniline | 14.97 | 138 | 33396 | 7.453 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 15.17 | 184 | 5935 | 6.136 | ng | # | 39 |
| 54) Dibenzofuran | 15.47 | 168 | 326324 | 3.250 | ng | | 95 |
| 55) 4-Nitrophenol | 15.24 | 139 | 22121 | 8.156 | ng | # | 85 |
| 56) 2,4-Dinitrotoluene | 15.42 | 165 | 32090 | 8.319 | ng | # | 93 |
| 57) Fluorene | 16.12 | 166 | 251475 | 2.975 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.69 | 232 | 35797 | 2.202 | ng | # | 83 |
| 59) Diethylphthalate | 15.86 | 149 | 224566 | 2.443 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 16.10 | 204 | 117371 | 3.141 | ng | | 90 |
| 61) 4-Nitroaniline | 16.11 | 138 | 35504 | 7.475 | ng | | 97 |
| 62) Azobenzene | 16.39 | 77 | 228567 | 2.488 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 16.17 | 198 | 9982 | 9.905 | ng | # | 82 |
| 65) n-Nitrosodiphenylamine | 16.31 | 169 | 207045 | 2.705 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.99 | 248 | 62035 | 2.830 | ng | # | 82 |
| 67) Hexachlorobenzene | 17.10 | 284 | 74917 | 2.967 | ng | # | 82 |
| 68) Atrazine | 17.23 | 200 | 52669 | 2.257 | ng | | 95 |
| 69) Pentachlorophenol | 17.44 | 266 | 22138 | 1.464 | ng | | 92 |
| 70) Phenanthrene | 17.85 | 178 | 448582 | 3.183 | ng | | 98 |
| 71) Anthracene | 17.93 | 178 | 391917 | 2.807 | ng | | 98 |
| 72) Carbazole | 18.19 | 167 | 378090 | 2.617 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.73 | 149 | 281438 | 1.754 | ng | # | 96 |
| 74) Fluoranthene | 19.82 | 202 | 434564 | 2.715 | ng | | 95 |
| 76) Benzidine | 19.99 | 184 | 88557 | 1.306 | ng | | 95 |
| 77) Pyrene | 20.18 | 202 | 478070 | 2.828 | ng | | 97 |
| 79) Butylbenzylphthalate | 21.05 | 149 | 89485 | 6.135 | ng | # | 89 |
| 80) Benzo(a)anthracene | 21.92 | 228 | 500245 | 3.011 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 21.84 | 252 | 110270 | 1.981 | ng | # | 95 |
| 82) Chrysene | 21.97 | 228 | 523152 | 3.171 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.83 | 149 | 140830 | 1.263 | ng | # | 93 |
| 84) Di-n-octyl phthalate | 22.80 | 149 | 209979 | 1.164 | ng | # | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 27.02 | 276 | 533967 | 2.509 | ng | # | 86 |
| 87) Benzo(b)fluoranthene | 23.68 | 252 | 464135 | 2.795 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 23.73 | 252 | 491388 | 2.951 | ng | # | 93 |
| 89) Benzo(a)pyrene | 24.33 | 252 | 423629 | 2.626 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 27.03 | 278 | 453665 | 2.687 | ng | # | 90 |
| 91) Benzo(g,h,i)perylene | 27.80 | 276 | 457780 | 2.668 | ng | # | 86 |

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

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