Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN020518\
Data File : BN000019.D
Acq On : 05 Feb 2018 15:16
Operator : SJ/JU
Sample : MDL-W-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-W-03

**Manual Integrations APPROVED**
Sohil
2/6/2018 5:15:44 PM

Quant Time: Feb 06 16:59:41 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 01 19:48:39 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.48 | 152 | 220925 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 11.32 | 136 | 1089009 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 15.09 | 164 | 656991 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.80 | 188 | 1557607 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.93 | 240 | 1971166 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 24.43 | 264 | 2126173 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.95 | 112 | 1857733 | 123.98 | ng | | 0.00 |
| 7) Phenol-d6 | 7.59 | 99 | 2721423 | 119.57 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.65 | 82 | 1639975 | 91.06 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.55 | 330 | 835067 | 126.44 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.72 | 172 | 4595659 | 93.68 | ng | | -0.01 |
| 78) Terphenyl-d14 | 20.37 | 244 | 6798680 | 91.04 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.66 | 88 | 28218 | 4.760 | ng | | 96 |
| 3) Pyridine | 4.13 | 79 | 70027 | 3.895 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 4.02 | 42 | 21595 | 4.083 | ng | # | 85 |
| 6) Aniline | 7.78 | 93 | 128877 | 4.154 | ng | | 90 |
| 8) 2-Chlorophenol | 8.03 | 128 | 73880 | 4.457 | ng | | 92 |
| 9) Benzaldehyde | 7.59 | 77 | 71752 | 3.545 | ng | | 100 |
| 10) Phenol | 7.62 | 94 | 103761 | 4.460 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.88 | 93 | 87135 | 4.695 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 8.36 | 146 | 88173 | 4.791 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.51 | 146 | 92076 | 4.872 | ng | | 92 |
| 14) 1,2-Dichlorobenzene | 8.84 | 146 | 91180 | 4.883 | ng | | 93 |
| 15) Benzyl Alcohol | 8.70 | 79 | 59031 | 3.532 | ng | # | 88 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.01 | 45 | 91378 | 4.552 | ng | | 77 |
| 17) 2-Methylphenol | 8.90 | 107 | 63228 | 3.769 | ng | | 96 |
| 18) Hexachloroethane | 9.58 | 117 | 28274 | 4.363 | ng | # | 76 |
| 19) n-Nitroso-di-n-propylamine | 9.28 | 70 | 56072 | 3.656 | ng | # | 84 |
| 20) 3+4-Methylphenols | 9.23 | 107 | 84490 | 3.596 | ng | | 94 |
| 22) Acetophenone | 9.30 | 105 | 143581 | 4.464 | ng | # | 89 |
| 24) Nitrobenzene | 9.69 | 77 | 101226 | 5.240 | ng | # | 94 |
| 25) Isophorone | 10.22 | 82 | 155371 | 3.642 | ng | | 97 |
| 26) 2-Nitrophenol | 10.41 | 139 | 17796 | 2.635 | ng | # | 89 |
| 27) 2,4-Dimethylphenol | 10.46 | 122 | 77231 | 4.415 | ng | | 90 |
| 28) bis(2-Chloroethoxy)methane | 10.70 | 93 | 107049 | 4.351 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.95 | 162 | 46986 | 3.131 | ng | | 90 |
| 30) 1,2,4-Trichlorobenzene | 11.17 | 180 | 84547 | 4.811 | ng | | 95 |
| 31) Naphthalene | 11.37 | 128 | 296968 | 4.862 | ng | | 99 |
| 32) Benzoic acid | 10.48 | 122 | 18163m | 8.245 | ng | | |
| 33) 4-Chloroaniline | 11.46 | 127 | 109481 | 3.866 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.65 | 225 | 43793 | 4.891 | ng | | 98 |
| 35) Caprolactam | 12.18 | 113 | 16953 | 2.541 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 12.54 | 107 | 61515 | 3.014 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.95 | 142 | 194614 | 4.509 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.30 | 216 | 92865 | 4.853 | ng | # | 95 |
| 40) Hexachlorocyclopentadiene | 13.28 | 237 | 23872 | 3.735 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.52 | 196 | 32509 | 2.874 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.59 | 196 | 38755 | 2.909 | ng | # | 92 |
| 45) 1,1'-Biphenyl | 13.93 | 154 | 297454 | 5.067 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.98 | 162 | 211734 | 4.805 | ng | | 96 |
| 47) 2-Nitroaniline | 14.16 | 65 | 29909 | 2.512 | ng | | 99 |
| 48) Acenaphthylene | 14.81 | 152 | 303723 | 4.104 | ng | | 97 |
| 49) Dimethylphthalate | 14.52 | 163 | 248303 | 4.229 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.64 | 165 | 26665 | 2.295 | ng | # | 86 |
| 51) Acenaphthene | 15.15 | 154 | 216474 | 4.636 | ng | | 98 |
| 52) 3-Nitroaniline | 14.97 | 138 | 35074 | 2.445 | ng | | 92 |
| 53) 2,4-Dinitrophenol | 15.16 | 184 | 6662 | 7.301 | ng | # | 1 |
| 54) Dibenzofuran | 15.47 | 168 | 328874 | 4.908 | ng | | 92 |
| 55) 4-Nitrophenol | 15.25 | 139 | 22196 | 2.054 | ng | # | 83 |
| 56) 2,4-Dinitrotoluene | 15.42 | 165 | 32422 | 2.072 | ng | # | 82 |
| 57) Fluorene | 16.12 | 166 | 269722 | 4.780 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.69 | 232 | 29442 | 2.714 | ng | # | 70 |
| 59) Diethylphthalate | 15.87 | 149 | 240938 | 3.927 | ng | | 94 |
| 60) 4-Chlorophenyl-phenylether | 16.10 | 204 | 122279 | 4.903 | ng | | 88 |
| 61) 4-Nitroaniline | 16.12 | 138 | 38321 | 2.511 | ng | | 96 |
| 62) Azobenzene | 16.40 | 77 | 238550 | 3.891 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 16.17 | 198 | 11984 | 2.099 | ng | | 88 |
| 65) n-Nitrosodiphenylamine | 16.32 | 169 | 214243 | 4.209 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 17.00 | 248 | 64878 | 4.451 | ng | # | 86 |
| 67) Hexachlorobenzene | 17.11 | 284 | 83096 | 4.949 | ng | # | 83 |
| 68) Atrazine | 17.24 | 200 | 55697 | 3.590 | ng | | 92 |
| 69) Pentachlorophenol | 17.45 | 266 | 26682 | 2.653 | ng | | 97 |
| 70) Phenanthrene | 17.85 | 178 | 469802 | 5.013 | ng | | 98 |
| 71) Anthracene | 17.94 | 178 | 405203 | 4.364 | ng | | 97 |
| 72) Carbazole | 18.20 | 167 | 411361 | 4.282 | ng | | 96 |
| 73) Di-n-butylphthalate | 18.74 | 149 | 321400 | 3.013 | ng | # | 97 |
| 74) Fluoranthene | 19.83 | 202 | 477598 | 4.488 | ng | | 94 |
| 76) Benzidine | 20.00 | 184 | 142401 | 2.854 | ng | | 96 |
| 77) Pyrene | 20.19 | 202 | 543202 | 4.368 | ng | | 99 |
| 79) Butylbenzylphthalate | 21.05 | 149 | 99811 | 1.815 | ng | # | 88 |
| 80) Benzo(a)anthracene | 21.92 | 228 | 563235 | 4.609 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 21.84 | 252 | 129698 | 3.167 | ng | # | 98 |
| 82) Chrysene | 21.97 | 228 | 606095 | 4.994 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.83 | 149 | 182893 | 2.230 | ng | # | 91 |
| 84) Di-n-octyl phthalate | 22.79 | 149 | 251275 | 1.893 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 27.00 | 276 | 674429 | 4.308 | ng | # | 86 |
| 87) Benzo(b)fluoranthene | 23.67 | 252 | 555715 | 4.396 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 23.72 | 252 | 579589 | 4.573 | ng | # | 96 |
| 89) Benzo(a)pyrene | 24.32 | 252 | 512818 | 4.176 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 27.02 | 278 | 567639 | 4.416 | ng | # | 91 |
| 91) Benzo(g,h,i)perylene | 27.79 | 276 | 559860 | 4.285 | ng | # | 86 |

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

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