Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM082817\
Data File : BM011364.D
Acq On : 28 Aug 2017 16:47
Operator : SJ/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
Sohil
8/29/2017 6:00:38 PM

Quant Time: Aug 28 17:33:18 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM082817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 28 15:34:09 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.26 | 152 | 30405 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.02 | 136 | 148336 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 13.93 | 164 | 138772 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 16.69 | 188 | 481840 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 20.92 | 240 | 975202 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 22.99 | 264 | 1165674 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.90 | 112 | 298478 | 165.95 | ng | | 0.00 |
| 7) Phenol-d6 | 6.46 | 99 | 575534 | 225.21 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.41 | 82 | 868533 | 219.75 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.44 | 330 | 428617 | 192.70 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 12.53 | 172 | 1606250 | 145.16 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.36 | 244 | 5943977 | 120.74 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.90 | 88 | 73520 | 91.038 | ng | # | 100 |
| 3) Pyridine | 3.28 | 79 | 300728 | 136.331 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.19 | 42 | 137474 | 122.295 | ng | # | 69 |
| 6) Aniline | 6.60 | 93 | 403564 | 125.297 | ng | # | 85 |
| 8) 2-Chlorophenol | 6.83 | 128 | 163365 | 89.461 | ng | # | 55 |
| 9) Benzaldehyde | 6.42 | 77 | 170017 | 102.823 | ng | # | 65 |
| 10) Phenol | 6.49 | 94 | 322392 | 116.147 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.71 | 93 | 220741 | 102.064 | ng | # | 80 |
| 12) 1,3-Dichlorobenzene | 7.15 | 146 | 182923 | 82.194 | ng | # | 74 |
| 13) 1,4-Dichlorobenzene | 7.30 | 146 | 198049 | 86.818 | ng | # | 83 |
| 14) 1,2-Dichlorobenzene | 7.60 | 146 | 189805 | 87.023 | ng | # | 88 |
| 15) Benzyl Alcohol | 7.51 | 79 | 339047 | 138.298 | ng | # | 75 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.79 | 45 | 238503 | 122.549 | ng | | 76 |
| 17) 2-Methylphenol | 7.72 | 107 | 202357 | 114.068 | ng | # | 64 |
| 18) Hexachloroethane | 8.31 | 117 | 91134 | 91.608 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 8.07 | 70 | 330280 | 152.087 | ng | # | 90 |
| 20) 3+4-Methylphenols | 8.05 | 107 | 292078 | 118.442 | ng | # | 74 |
| 22) Acetophenone | 8.08 | 105 | 417372 | 93.865 | ng | # | 86 |
| 24) Nitrobenzene | 8.45 | 77 | 467293 | 114.098 | ng | # | 78 |
| 25) Isophorone | 8.97 | 82 | 751367 | 114.020 | ng | # | 83 |
| 26) 2-Nitrophenol | 9.15 | 139 | 120298 | 92.314 | ng | # | 1 |
| 27) 2,4-Dimethylphenol | 9.23 | 122 | 208428 | 90.857 | ng | # | 62 |
| 28) bis(2-Chloroethoxy)methane | 9.46 | 93 | 371731 | 101.141 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 9.68 | 162 | 242333 | 94.008 | ng | | 89 |
| 30) 1,2,4-Trichlorobenzene | 9.89 | 180 | 285601 | 89.605 | ng | | 98 |
| 31) Naphthalene | 10.06 | 128 | 674010 | 90.322 | ng | | 99 |
| 32) Benzoic acid | 9.37 | 122 | 220884 | 119.790 | ng | # | 39 |
| 33) 4-Chloroaniline | 10.19 | 127 | 316048 | 106.168 | ng | # | 58 |
| 34) Hexachlorobutadiene | 10.36 | 225 | 228694 | 91.099 | ng | | 98 |
| 35) Caprolactam | 10.98 | 113 | 100779 | 137.858 | ng | # | 72 |
| 36) 4-Chloro-3-methylphenol | 11.33 | 107 | 383219 | 115.130 | ng | # | 68 |
| 37) 2-Methylnaphthalene | 11.69 | 142 | 542129 | 98.894 | ng | # | 83 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.08 | 216 | 452843 | 75.954 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.06 | 237 | 191311 | 55.068 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.33 | 196 | 305580 | 84.680 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 12.41 | 196 | 307985 | 82.865 | ng | # | 82 |
| 45) 1,1'-Biphenyl | 12.75 | 154 | 884037 | 73.674 | ng | | 94 |
| 46) 2-Chloronaphthalene | 12.78 | 162 | 693599 | 78.453 | ng | | 94 |
| 47) 2-Nitroaniline | 13.01 | 65 | 452002 | 144.515 | ng | # | 54 |
| 48) Acenaphthylene | 13.65 | 152 | 1106768 | 83.883 | ng | | 99 |
| 49) Dimethylphthalate | 13.41 | 163 | 1029212 | 86.697 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 13.53 | 165 | 223583 | 93.136 | ng | # | 25 |
| 51) Acenaphthene | 13.99 | 154 | 706899 | 86.528 | ng | | 100 |
| 52) 3-Nitroaniline | 13.86 | 138 | 215743 | 103.564 | ng | # | 1 |
| 53) 2,4-Dinitrophenol | 14.07 | 184 | 200100 | 117.285 | ng | # | 66 |
| 54) Dibenzofuran | 14.34 | 168 | 1170715 | 88.441 | ng | # | 91 |
| 55) 4-Nitrophenol | 14.20 | 139 | 165616m | 90.488 | ng | | |
| 56) 2,4-Dinitrotoluene | 14.33 | 165 | 360130 | 106.859 | ng | # | 67 |
| 57) Fluorene | 14.99 | 166 | 1074600 | 93.239 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.57 | 232 | 362966 | 104.189 | ng | # | 100 |
| 59) Diethylphthalate | 14.80 | 149 | 1105668 | 91.198 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.00 | 204 | 631777 | 90.793 | ng | | 99 |
| 61) 4-Nitroaniline | 15.03 | 138 | 224239 | 101.342 | ng | # | 1 |
| 62) Azobenzene | 15.29 | 77 | 1549583 | 119.424 | ng | | 84 |
| 64) 4,6-Dinitro-2-methylphenol | 15.09 | 198 | 305946 | 93.791 | ng | | 91 |
| 65) n-Nitrosodiphenylamine | 15.22 | 169 | 1023841 | 74.248 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 15.90 | 248 | 468826 | 75.687 | ng | # | 92 |
| 67) Hexachlorobenzene | 16.00 | 284 | 498054 | 71.155 | ng | # | 86 |
| 68) Atrazine | 16.19 | 200 | 420728 | 76.136 | ng | | 95 |
| 69) Pentachlorophenol | 16.35 | 266 | 392554 | 88.338 | ng | | 97 |
| 70) Phenanthrene | 16.73 | 178 | 2184900 | 86.599 | ng | | 98 |
| 71) Anthracene | 16.82 | 178 | 2199196 | 87.400 | ng | | 100 |
| 72) Carbazole | 17.11 | 167 | 2101487 | 95.499 | ng | | 99 |
| 73) Di-n-butylphthalate | 17.70 | 149 | 2255784 | 84.179 | ng | # | 95 |
| 74) Fluoranthene | 18.77 | 202 | 3558584 | 113.816 | ng | | 98 |
| 76) Benzidine | 18.99 | 184 | 1056013 | 45.265 | ng | | 99 |
| 77) Pyrene | 19.14 | 202 | 3847923 | 66.406 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.08 | 149 | 1380809 | 67.013 | ng | # | 50 |
| 80) Benzo(a)anthracene | 20.90 | 228 | 4694277 | 84.303 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 20.86 | 252 | 2019867 | 92.466 | ng | # | 97 |
| 82) Chrysene | 20.96 | 228 | 4590025 | 85.874 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 20.87 | 149 | 2033504 | 67.084 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 21.72 | 149 | 3891437 | 79.097 | ng | # | 92 |
| 85) Indeno(1,2,3-cd)pyrene | 25.01 | 276 | 7079861 | 127.895 | ng | # | 96 |
| 87) Benzo(b)fluoranthene | 22.39 | 252 | 5928639 | 79.244 | ng | # | 92 |
| 88) Benzo(k)fluoranthene | 22.43 | 252 | 5425487 | 75.663 | ng | # | 95 |
| 89) Benzo(a)pyrene | 22.90 | 252 | 5749483 | 84.929 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 25.02 | 278 | 6110752 | 97.371 | ng | # | 91 |
| 91) Benzo(g,h,i)perylene | 25.62 | 276 | 6143424 | 99.691 | ng | # | 85 |

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

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