Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG083116\
Data File : BG023930.D
Acq On : 31 Aug 2016 18:41
Operator : UM/SJ
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
sohil
9/2/2016 7:25:34 AM

Quant Time: Aug 31 19:21:33 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 31 18:36:57 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.08 | 152 | 37223 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.92 | 136 | 188463 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.76 | 164 | 142233 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.52 | 188 | 376520 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.84 | 240 | 386314 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.21 | 264 | 374155 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 372887 | 168.63 | ng | | 0.00 |
| 7) Phenol-d6 | 7.26 | 99 | 571803 | 166.01 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.27 | 82 | 693533 | 182.95 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.27 | 330 | 449041 | 215.84 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.38 | 172 | 1540736 | 182.71 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.13 | 244 | 2472080 | 174.58 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 71790 | 76.20 | ng | | 96 |
| 3) Pyridine | 3.91 | 79 | 229444 | 74.11 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 130876 | 114.01 | ng | # | 77 |
| 6) Aniline | 7.41 | 93 | 372022 | 74.76 | ng | | 99 |
| 8) 2-Chlorophenol | 7.65 | 128 | 211071 | 83.08 | ng | | 96 |
| 9) Benzaldehyde | 7.23 | 77 | 185755 | 91.10 | ng | | 93 |
| 10) Phenol | 7.29 | 94 | 295273 | 80.14 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.50 | 93 | 207956 | 70.75 | ng | | 86 |
| 12) 1,3-Dichlorobenzene | 7.97 | 146 | 237999 | 81.83 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.12 | 146 | 247179 | 83.02 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.44 | 146 | 238155 | 81.54 | ng | # | 91 |
| 15) Benzyl Alcohol | 8.34 | 79 | 271086 | 103.88 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.61 | 45 | 281447 | 65.11 | ng | | 93 |
| 17) 2-Methylphenol | 8.55 | 107 | 200768 | 81.28 | ng | | 94 |
| 18) Hexachloroethane | 9.18 | 117 | 96118 | 85.76 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.91 | 70 | 242529 | 81.86 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.89 | 107 | 286540 | 82.28 | ng | | 97 |
| 22) Acetophenone | 8.93 | 105 | 392958 | 76.15 | ng | # | 97 |
| 24) Nitrobenzene | 9.32 | 77 | 372475 | 88.73 | ng | | 96 |
| 25) Isophorone | 9.85 | 82 | 667435 | 84.53 | ng | | 97 |
| 26) 2-Nitrophenol | 10.03 | 139 | 148336 | 83.72 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 10.09 | 122 | 244098 | 80.92 | ng | | 91 |
| 28) bis(2-Chloroethoxy)methane | 10.32 | 93 | 324609 | 68.39 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.58 | 162 | 264840 | 87.31 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.78 | 180 | 276433 | 84.50 | ng | | 99 |
| 31) Naphthalene | 10.97 | 128 | 758782 | 79.06 | ng | | 97 |
| 32) Benzoic acid | 10.33 | 122 | 216789m | 86.96 | ng | | |
| 33) 4-Chloroaniline | 11.09 | 127 | 334669 | 72.95 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.24 | 225 | 212547 | 98.79 | ng | | 94 |
| 35) Caprolactam | 11.94 | 113 | 91208 | 71.47 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.23 | 107 | 348971 | 87.56 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.58 | 142 | 582411 | 79.82 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.95 | 216 | 399010 | 77.36 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.91 | 237 | 229712 | 88.32 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.20 | 196 | 267574 | 87.09 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.28 | 196 | 269549 | 85.22 | ng | | 97 |
| 45) 1,1'-Biphenyl | 13.59 | 154 | 900422 | 82.81 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.63 | 162 | 654924 | 77.86 | ng | | 95 |
| 47) 2-Nitroaniline | 13.86 | 65 | 287293 | 82.26 | ng | | 97 |
| 48) Acenaphthylene | 14.49 | 152 | 1098575 | 82.62 | ng | | 99 |
| 49) Dimethylphthalate | 14.22 | 163 | 948192 | 86.89 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.34 | 165 | 206146 | 79.77 | ng | | 97 |
| 51) Acenaphthene | 14.83 | 154 | 684016 | 81.21 | ng | | 99 |
| 52) 3-Nitroaniline | 14.69 | 138 | 207889 | 71.34 | ng | # | 80 |
| 53) 2,4-Dinitrophenol | 14.90 | 184 | 154386 | 93.20 | ng | | 90 |
| 54) Dibenzofuran | 15.16 | 168 | 1040581 | 85.09 | ng | | 100 |
| 55) 4-Nitrophenol | 15.02 | 139 | 168905 | 73.80 | ng | | 95 |
| 56) 2,4-Dinitrotoluene | 15.14 | 165 | 318590 | 87.84 | ng | | 94 |
| 57) Fluorene | 15.81 | 166 | 911054 | 85.37 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.40 | 232 | 269375 | 92.81 | ng | | 94 |
| 59) Diethylphthalate | 15.57 | 149 | 997220 | 90.02 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.80 | 204 | 518219 | 91.76 | ng | | 97 |
| 61) 4-Nitroaniline | 15.87 | 138 | 210202 | 67.75 | ng | | 94 |
| 62) Azobenzene | 16.10 | 77 | 975342 | 86.86 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 15.91 | 198 | 226035 | 88.30 | ng | | 97 |
| 65) n-Nitrosodiphenylamine | 16.02 | 169 | 837828 | 75.86 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.70 | 248 | 382213 | 87.10 | ng | | 98 |
| 67) Hexachlorobenzene | 16.82 | 284 | 444380 | 92.56 | ng | | 96 |
| 68) Atrazine | 16.98 | 200 | 376098 | 88.69 | ng | | 97 |
| 69) Pentachlorophenol | 17.18 | 266 | 264683 | 94.56 | ng | | 98 |
| 70) Phenanthrene | 17.57 | 178 | 1504475 | 78.75 | ng | | 97 |
| 71) Anthracene | 17.66 | 178 | 1527095 | 79.47 | ng | | 99 |
| 72) Carbazole | 17.94 | 167 | 1352642 | 80.16 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.47 | 149 | 1612717 | 83.94 | ng | | 98 |
| 74) Fluoranthene | 19.58 | 202 | 1766054 | 86.36 | ng | | 97 |
| 76) Benzidine | 19.77 | 184 | 968776 | 90.21 | ng | | 99 |
| 77) Pyrene | 19.94 | 202 | 1758326 | 73.49 | ng | | 97 |
| 79) Butylbenzylphthalate | 20.82 | 149 | 712546 | 76.60 | ng | | 94 |
| 80) Benzo(a)anthracene | 21.82 | 228 | 1643520 | 77.07 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 21.73 | 252 | 695072 | 79.47 | ng | | 94 |
| 82) Chrysene | 21.89 | 228 | 1572469 | 77.50 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.69 | 149 | 943482 | 74.07 | ng | | 96 |
| 84) Di-n-octyl phthalate | 22.95 | 149 | 1533609 | 70.54 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 29.10 | 276 | 1844786 | 72.77 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.14 | 252 | 1662109 | 78.95 | ng | | 100 |
| 88) Benzo(k)fluoranthene | 24.21 | 252 | 1640433m | 81.13 | ng | | |
| 89) Benzo(a)pyrene | 25.05 | 252 | 1576281 | 78.73 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 29.15 | 278 | 1571482 | 76.83 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 30.32 | 276 | 1529861 | 74.28 | ng | | 99 |

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

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