Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073118\
Data File : BG036017.D
Acq On : 1 Aug 2018 1:17
Operator : JU/SJ
Sample : J3831-04MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SU-03-072718MS

**Manual Integrations APPROVED**
Sohil
8/1/2018 5:08:57 PM

Quant Time: Aug 01 11:13:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 31 12:30:06 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.02 | 152 | 38879 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.83 | 136 | 141057 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.65 | 164 | 105098 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.39 | 188 | 290865 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.65 | 240 | 313108 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.85 | 264 | 304044 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 301399 | 128.71 | ng | | 0.00 |
| 7) Phenol-d6 | 7.20 | 99 | 405566 | 116.08 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 331268 | 98.11 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.14 | 330 | 235683 | 170.14 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.27 | 172 | 733275 | 93.47 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.00 | 244 | 1442290 | 101.54 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 36604 | 30.711 | ng | # | 81 |
| 3) Pyridine | 3.93 | 79 | 82679 | 26.572 | ng | # | 79 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 47436 | 35.505 | ng | # | 86 |
| 6) Aniline | 7.35 | 93 | 68305 | 15.083 | ng | | 94 |
| 8) 2-Chlorophenol | 7.60 | 128 | 108266 | 45.457 | ng | | 91 |
| 9) Benzaldehyde | 7.16 | 77 | 39825 | 18.577 | ng | | 88 |
| 10) Phenol | 7.22 | 94 | 136277 | 38.607 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.44 | 93 | 112895 | 40.839 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 7.91 | 146 | 123801 | 43.044 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.06 | 146 | 125516 | 42.951 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.38 | 146 | 122185 | 43.523 | ng | | 99 |
| 15) Benzyl Alcohol | 8.27 | 79 | 127704 | 40.250 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55 | 45 | 131481 | 56.731 | ng | | 78 |
| 17) 2-Methylphenol | 8.47 | 107 | 105988 | 44.162 | ng | # | 92 |
| 18) Hexachloroethane | 9.10 | 117 | 47754 | 42.739 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.82 | 70 | 107658 | 36.591 | ng | # | 83 |
| 20) 3+4-Methylphenols | 8.79 | 107 | 146909 | 44.125 | ng | | 95 |
| 22) Acetophenone | 8.85 | 105 | 198258 | 45.198 | ng | # | 91 |
| 24) Nitrobenzene | 9.23 | 77 | 157265 | 46.311 | ng | | 96 |
| 25) Isophorone | 9.75 | 82 | 316715 | 50.528 | ng | | 98 |
| 26) 2-Nitrophenol | 9.94 | 139 | 66607 | 55.228 | ng | # | 93 |
| 27) 2,4-Dimethylphenol | 10.00 | 122 | 115647 | 56.648 | ng | | 90 |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93 | 165330 | 47.868 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.48 | 162 | 133224 | 57.168 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 10.69 | 180 | 143110 | 50.081 | ng | | 96 |
| 31) Naphthalene | 10.87 | 128 | 357977 | 48.719 | ng | | 98 |
| 32) Benzoic acid | 10.15 | 122 | 18448m | 13.424 | ng | | |
| 33) 4-Chloroaniline | 11.01 | 127 | 12949 | 4.043 | ng | # | 89 |
| 34) Hexachlorobutadiene | 11.16 | 225 | 107888 | 48.418 | ng | | 97 |
| 35) Caprolactam | 11.77 | 113 | 33321m | 33.319 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.11 | 107 | 167361 | 53.579 | ng | | 93 |
| 37) 2-Methylnaphthalene | 12.48 | 142 | 281430 | 51.410 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.84 | 216 | 189667 | 47.814 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.82 | 237 | 230106 | 110.610 | ng | | 92 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.08 | 196 | 126581 | 54.566 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.17 | 196 | 138504 | 53.371 | ng | | 99 |
| 45) 1,1'-Biphenyl | 13.48 | 154 | 389733 | 47.831 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.52 | 162 | 312174 | 49.254 | ng | | 96 |
| 47) 2-Nitroaniline | 13.73 | 65 | 111867 | 49.925 | ng | | 97 |
| 48) Acenaphthylene | 14.37 | 152 | 518869 | 48.872 | ng | | 99 |
| 49) Dimethylphthalate | 14.11 | 163 | 445952 | 48.430 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.22 | 165 | 103052 | 54.957 | ng | | 92 |
| 51) Acenaphthene | 14.71 | 154 | 305981 | 46.265 | ng | | 98 |
| 52) 3-Nitroaniline | 14.56 | 138 | 33192 | 17.319 | ng | # | 94 |
| 53) 2,4-Dinitrophenol | 14.76 | 184 | 53542 | 57.540 | ng | # | 64 |
| 54) Dibenzofuran | 15.05 | 168 | 519541 | 49.394 | ng | | 93 |
| 55) 4-Nitrophenol | 14.87 | 139 | 114819 | 84.125 | ng | # | 84 |
| 56) 2,4-Dinitrotoluene | 15.01 | 165 | 151648 | 56.372 | ng | | 91 |
| 57) Fluorene | 15.69 | 166 | 437826 | 49.664 | ng | | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.27 | 232 | 142866 | 57.418 | ng | | 94 |
| 59) Diethylphthalate | 15.46 | 149 | 453915 | 47.940 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.69 | 204 | 256993 | 49.599 | ng | | 96 |
| 61) 4-Nitroaniline | 15.72 | 138 | 94927 | 47.351 | ng | # | 86 |
| 62) Azobenzene | 15.97 | 77 | 456756 | 48.906 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 15.77 | 198 | 63368 | 39.137 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 15.90 | 169 | 393409 | 47.518 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.58 | 248 | 171235 | 50.743 | ng | | 97 |
| 67) Hexachlorobenzene | 16.70 | 284 | 175543 | 50.514 | ng | | 94 |
| 68) Atrazine | 16.85 | 200 | 170299 | 49.959 | ng | | 95 |
| 69) Pentachlorophenol | 17.05 | 266 | 159618 | 75.410 | ng | | 99 |
| 70) Phenanthrene | 17.44 | 178 | 725779 | 50.007 | ng | | 99 |
| 71) Anthracene | 17.52 | 178 | 730761 | 50.566 | ng | | 99 |
| 72) Carbazole | 17.79 | 167 | 660994 | 48.162 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.35 | 149 | 758297 | 46.755 | ng | # | 98 |
| 74) Fluoranthene | 19.44 | 202 | 939674 | 48.066 | ng | | 96 |
| 76) Benzidine | 19.63 | 184 | 66120m | 8.032 | ng | | |
| 77) Pyrene | 19.80 | 202 | 946031 | 47.784 | ng | | 97 |
| 79) Butylbenzylphthalate | 20.68 | 149 | 357599 | 50.509 | ng | | 96 |
| 80) Benzo(a)anthracene | 21.64 | 228 | 974232 | 49.930 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.55 | 252 | 173426 | 25.491 | ng | | 97 |
| 82) Chrysene | 21.70 | 228 | 911508 | 50.412 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.54 | 149 | 501175 | 52.069 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 22.73 | 149 | 858196 | 53.251 | ng | # | 92 |
| 85) Indeno(1,2,3-cd)pyrene | 28.50 | 276 | 1047989 | 52.351 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 23.84 | 252 | 925772 | 50.097 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 23.91 | 252 | 913504 | 50.563 | ng | # | 97 |
| 89) Benzo(a)pyrene | 24.70 | 252 | 906463 | 52.726 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 28.56 | 278 | 872604 | 51.700 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 29.63 | 276 | 869516 | 52.646 | ng | # | 94 |

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

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