Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082919\
Data File : BG042576.D
Acq On : 29 Aug 2019 22:06
Operator : HP/JU
Sample : K4549-02MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S700A-N-1.0-1.5-082619MSD

**Manual Integrations APPROVED**
Jagrut
8/30/2019 7:58:18 PM

Quant Time: Aug 30 05:59:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.99 | 152 | 36623 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.82 | 136 | 140130 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.66 | 164 | 102251 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.41 | 188 | 237214 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.69 | 240 | 250211 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.93 | 264 | 310263 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 238188 | 131.72 | ng | | 0.00 |
| 7) Phenol-d6 | 7.17 | 99 | 314375 | 128.71 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.17 | 82 | 179285 | 88.41 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.16 | 330 | 188982 | 130.03 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.28 | 172 | 515507 | 85.27 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.02 | 244 | 895477 | 77.37 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.42 | 88 | 25229 | 33.432 | ng | | 98 |
| 3) Pyridine | 3.82 | 79 | 56121 | 29.002 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.73 | 42 | 31178 | 45.112 | ng | | 92 |
| 6) Aniline | 7.32 | 93 | 91500 | 28.086 | ng | | 99 |
| 8) 2-Chlorophenol | 7.57 | 128 | 99037 | 45.191 | ng | | 99 |
| 9) Benzaldehyde | 7.13 | 77 | 55696 | 45.546 | ng | | 98 |
| 10) Phenol | 7.20 | 94 | 111954 | 45.079 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.41 | 93 | 77857 | 39.918 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.89 | 146 | 112724 | 40.434 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.04 | 146 | 115615 | 40.941 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.36 | 146 | 110679 | 40.927 | ng | | 95 |
| 15) Benzyl Alcohol | 8.24 | 79 | 75291 | 42.845 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.52 | 45 | 100055 | 37.848 | ng | | 98 |
| 17) 2-Methylphenol | 8.45 | 107 | 78837 | 43.099 | ng | | 97 |
| 18) Hexachloroethane | 9.09 | 117 | 37832 | 39.133 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 8.81 | 70 | 61200 | 38.674 | ng | # | 92 |
| 20) 3+4-Methylphenols | 8.78 | 107 | 107697 | 42.548 | ng | | 99 |
| 22) Acetophenone | 8.82 | 105 | 138451 | 46.194 | ng | | 98 |
| 24) Nitrobenzene | 9.21 | 77 | 91611 | 44.613 | ng | | 99 |
| 25) Isophorone | 9.73 | 82 | 170767 | 42.671 | ng | | 98 |
| 26) 2-Nitrophenol | 9.93 | 139 | 61026 | 47.424 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 9.99 | 122 | 92995 | 52.462 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.22 | 93 | 106841 | 42.358 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.47 | 162 | 113948 | 49.133 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.69 | 180 | 126968 | 44.602 | ng | | 98 |
| 31) Naphthalene | 10.87 | 128 | 294822 | 45.316 | ng | | 99 |
| 32) Benzoic acid | 10.15 | 122 | 52270m | 41.885 | ng | | |
| 33) 4-Chloroaniline | 10.98 | 127 | 58396 | 19.444 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.16 | 225 | 85847 | 44.872 | ng | | 98 |
| 35) Caprolactam | 11.76 | 113 | 32327m | 41.774 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.11 | 107 | 100457 | 45.629 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.48 | 142 | 237637 | 45.490 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.70 | 142 | 220111 | 44.359 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 160699 | 48.939 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.83 | 237 | 162302 | 94.096 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.09 | 196 | 104006 | 46.859 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 13.17 | 196 | 109801 | 47.738 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.49 | 154 | 312236 | 47.240 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.53 | 162 | 254342 | 44.628 | ng | | 98 |
| 48) 2-Nitroaniline | 13.73 | 65 | 57651 | 41.949 | ng | | 99 |
| 49) Acenaphthylene | 14.38 | 152 | 401787 | 46.860 | ng | | 99 |
| 50) Dimethylphthalate | 14.11 | 163 | 395724 | 53.637 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.23 | 165 | 78531 | 45.922 | ng | | 98 |
| 52) Acenaphthene | 14.72 | 154 | 232372 | 44.632 | ng | | 98 |
| 53) 3-Nitroaniline | 14.56 | 138 | 45546 | 26.631 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.78 | 184 | 98304 | 84.863 | ng | | 100 |
| 55) Dibenzofuran | 15.06 | 168 | 402170 | 46.666 | ng | | 99 |
| 56) 4-Nitrophenol | 14.89 | 139 | 113317 | 93.243 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 15.03 | 165 | 110039 | 44.935 | ng | | 98 |
| 58) Fluorene | 15.71 | 166 | 325987 | 46.273 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 111325 | 48.943 | ng | # | 94 |
| 60) Diethylphthalate | 15.47 | 149 | 316215 | 43.845 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.70 | 204 | 194792 | 45.869 | ng | | 98 |
| 62) 4-Nitroaniline | 15.73 | 138 | 78617 | 42.950 | ng | | 95 |
| 63) Azobenzene | 15.99 | 77 | 217100 | 43.930 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 76863 | 51.682 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.91 | 169 | 301362 | 46.196 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.60 | 248 | 135259 | 44.953 | ng | | 99 |
| 68) Hexachlorobenzene | 16.72 | 284 | 142695 | 43.625 | ng | | 98 |
| 69) Atrazine | 16.87 | 200 | 114701 | 49.720 | ng | | 98 |
| 70) Pentachlorophenol | 17.07 | 266 | 172582 | 101.548 | ng | | 98 |
| 71) Phenanthrene | 17.45 | 178 | 551879 | 46.838 | ng | | 99 |
| 72) Anthracene | 17.55 | 178 | 570345 | 48.487 | ng | | 99 |
| 73) Carbazole | 17.81 | 167 | 498494 | 47.550 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.37 | 149 | 566068 | 45.679 | ng | | 100 |
| 75) Fluoranthene | 19.47 | 202 | 719919 | 50.064 | ng | | 97 |
| 77) Benzidine | 19.64 | 184 | 372139 | 51.876 | ng | | 99 |
| 78) Pyrene | 19.83 | 202 | 724928 | 47.256 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.71 | 149 | 262383 | 43.486 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.67 | 228 | 712512 | 46.812 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.58 | 252 | 205172 | 33.516 | ng | | 99 |
| 83) Chrysene | 21.73 | 228 | 691420 | 47.102 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 378879 | 45.226 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.78 | 149 | 655183 | 45.472 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.66 | 276 | 926737 | 46.456 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 23.90 | 252 | 786164 | 46.090 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.98 | 252 | 774693 | 47.250 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.78 | 252 | 785190 | 48.511 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.71 | 278 | 770431 | 47.011 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.81 | 276 | 773409 | 47.186 | ng | | 98 |

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

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