Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\
Data File : BG041131.D
Acq On : 8 Jun 2019 13:36
Operator : HP/JU
Sample : K3153-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** HR-05-060519-AMS

Quant Time: Jun 09 23:18:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 23:08:34 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 40747 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.93 | 136 | 168036 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.74 | 164 | 129404 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.48 | 188 | 334786 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.76 | 240 | 342440 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.09 | 264 | 364370 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 307239 | 135.97 | ng | | 0.00 |
| 7) Phenol-d6 | 7.25 | 99 | 418101 | 119.80 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 343201 | 90.67 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.23 | 330 | 282761 | 147.19 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.36 | 172 | 818972 | 91.14 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.08 | 244 | 1508469 | 93.49 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.51 | 88 | 34178 | 33.331 | ng | # | 15 |
| 3) Pyridine | 3.92 | 79 | 92587 | 30.515 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 58060 | 41.231 | ng | | 85 |
| 6) Aniline | 7.43 | 93 | 65221 | 14.001 | ng | | 97 |
| 8) 2-Chlorophenol | 7.67 | 128 | 119332 | 44.296 | ng | | 93 |
| 9) Benzaldehyde | 7.24 | 77 | 40245 | 19.332 | ng | | 90 |
| 10) Phenol | 7.28 | 94 | 139569 | 37.300 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.53 | 93 | 109344 | 40.281 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.99 | 146 | 119338 | 37.089 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.14 | 146 | 120423 | 36.975 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.46 | 146 | 118814 | 37.572 | ng | | 99 |
| 15) Benzyl Alcohol | 8.35 | 79 | 139686 | 43.270 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62 | 45 | 169024 | 38.106 | ng | | 98 |
| 17) 2-Methylphenol | 8.54 | 107 | 110859 | 40.919 | ng | | 98 |
| 18) Hexachloroethane | 9.19 | 117 | 47028 | 37.464 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.91 | 70 | 106785 | 39.762 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.87 | 107 | 149827 | 39.924 | ng | | 96 |
| 22) Acetophenone | 8.94 | 105 | 209870 | 44.523 | ng | # | 98 |
| 24) Nitrobenzene | 9.33 | 77 | 171072 | 44.349 | ng | | 97 |
| 25) Isophorone | 9.84 | 82 | 313969 | 43.586 | ng | | 100 |
| 26) 2-Nitrophenol | 10.03 | 139 | 72035 | 45.299 | ng | | 86 |
| 27) 2,4-Dimethylphenol | 10.08 | 122 | 121782 | 46.370 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.32 | 93 | 161459 | 41.529 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.57 | 162 | 149204 | 44.737 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.79 | 180 | 152164 | 40.107 | ng | | 98 |
| 31) Naphthalene | 10.98 | 128 | 381383 | 42.272 | ng | | 97 |
| 32) Benzoic acid | 10.22 | 122 | 66949 | 35.361 | ng | | 94 |
| 33) 4-Chloroaniline | 11.10 | 127 | 15740 | 3.760 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.24 | 225 | 108931 | 37.524 | ng | | 96 |
| 35) Caprolactam | 11.88 | 113 | 37221m | 33.796 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.20 | 107 | 175717 | 46.133 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.57 | 142 | 306463 | 44.104 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.79 | 142 | 289816m | 44.261 | ng | | |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 220069 | 42.194 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.90 | 237 | 247770 | 87.511 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 13.17 | 196 | 151631 | 44.940 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.25 | 196 | 158434 | 44.523 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.57 | 154 | 420317 | 43.880 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.62 | 162 | 346694 | 42.160 | ng | | 99 |
| 48) 2-Nitroaniline | 13.83 | 65 | 128873 | 43.685 | ng | | 97 |
| 49) Acenaphthylene | 14.46 | 152 | 554576 | 44.809 | ng | | 99 |
| 50) Dimethylphthalate | 14.19 | 163 | 480628 | 43.877 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.32 | 165 | 107237 | 45.405 | ng | | 97 |
| 52) Acenaphthene | 14.80 | 154 | 324073 | 43.224 | ng | | 96 |
| 53) 3-Nitroaniline | 14.65 | 138 | 37726 | 15.974 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 14.85 | 184 | 124582 | 94.088 | ng | | 95 |
| 55) Dibenzofuran | 15.13 | 168 | 567319 | 44.969 | ng | | 99 |
| 56) 4-Nitrophenol | 14.95 | 139 | 143919 | 88.843 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 15.10 | 165 | 157446 | 47.193 | ng | | 96 |
| 58) Fluorene | 15.78 | 166 | 455568 | 45.344 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.35 | 232 | 166624 | 47.647 | ng | | 99 |
| 60) Diethylphthalate | 15.54 | 149 | 488269 | 43.677 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.77 | 204 | 284810 | 43.613 | ng | | 94 |
| 62) 4-Nitroaniline | 15.82 | 138 | 102444 | 40.973 | ng | | 95 |
| 63) Azobenzene | 16.06 | 77 | 452887 | 44.574 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.86 | 198 | 90525 | 50.020 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 15.99 | 169 | 419180 | 44.540 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.66 | 248 | 189853 | 42.021 | ng | | 99 |
| 68) Hexachlorobenzene | 16.77 | 284 | 196400 | 40.823 | ng | | 98 |
| 69) Atrazine | 16.93 | 200 | 182429 | 50.237 | ng | | 98 |
| 70) Pentachlorophenol | 17.12 | 266 | 226733 | 87.550 | ng | | 97 |
| 71) Phenanthrene | 17.53 | 178 | 781960 | 44.841 | ng | | 98 |
| 72) Anthracene | 17.61 | 178 | 800934 | 46.569 | ng | | 99 |
| 73) Carbazole | 17.89 | 167 | 699396 | 47.393 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.42 | 149 | 817683 | 44.580 | ng | | 99 |
| 75) Fluoranthene | 19.53 | 202 | 1022360 | 47.465 | ng | | 99 |
| 77) Benzidine | 19.71 | 184 | 31099 | 3.807 | ng | | 93 |
| 78) Pyrene | 19.89 | 202 | 1026000 | 46.090 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.75 | 149 | 391868 | 45.235 | ng | | 100 |
| 81) Benzo(a)anthracene | 21.74 | 228 | 1011074 | 44.355 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.65 | 252 | 143313 | 17.875 | ng | | 99 |
| 83) Chrysene | 21.81 | 228 | 985281 | 45.168 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.61 | 149 | 536918 | 44.028 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.84 | 149 | 926752 | 45.630 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.91 | 276 | 1210087 | 45.285 | ng | # | 99 |
| 88) Benzo(b)fluoranthene | 24.02 | 252 | 1023079 | 46.293 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.09 | 252 | 1005842 | 45.992 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.93 | 252 | 1000089 | 47.431 | ng | | 96 |
| 91) Dibenzo(a,h)anthracene | 28.98 | 278 | 996161 | 47.282 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 30.12 | 276 | 1002464 | 48.975 | ng | | 98 |

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

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