Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
Data File : BG040731.D
Acq On : 3 May 2019 19:08
Operator : JU/SJ
Sample : K2635-02MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** AU-05-050219-AMSD

Quant Time: May 03 23:17:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:35:33 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.15 | 152 | 37061 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.97 | 136 | 152084 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.77 | 164 | 117239 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.52 | 188 | 328790 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.81 | 240 | 332800 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 25.16 | 264 | 358690 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.68 | 112 | 349349 | 166.16 | ng | | 0.00 |
| 7) Phenol-d6 | 7.29 | 99 | 480142 | 148.32 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.32 | 82 | 389746 | 118.41 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.26 | 330 | 325275 | 201.85 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.40 | 172 | 825510 | 101.69 | ng | | -0.02 |
| 79) Terphenyl-d14 | 20.12 | 244 | 1756077 | 116.90 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.55 | 88 | 45247 | 47.322 | ng | # | 21 |
| 3) Pyridine | 3.96 | 79 | 122392 | 44.162 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.88 | 42 | 75177 | 48.904 | ng | | 96 |
| 6) Aniline | 7.47 | 93 | 137634 | 32.077 | ng | | 98 |
| 8) 2-Chlorophenol | 7.71 | 128 | 137690 | 53.635 | ng | | 97 |
| 9) Benzaldehyde | 7.28 | 77 | 91428 | 50.527 | ng | | 93 |
| 10) Phenol | 7.31 | 94 | 167957 | 48.267 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.57 | 93 | 129456 | 49.611 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 8.03 | 146 | 108862 | 38.851 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.18 | 146 | 115155 | 40.540 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.50 | 146 | 111560 | 40.725 | ng | | 92 |
| 15) Benzyl Alcohol | 8.38 | 79 | 172726 | 51.280 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.67 | 45 | 227994 | 43.885 | ng | | 96 |
| 17) 2-Methylphenol | 8.58 | 107 | 129833 | 52.722 | ng | | 95 |
| 18) Hexachloroethane | 9.23 | 117 | 39957 | 34.292 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.95 | 70 | 135037 | 46.341 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.91 | 107 | 182079 | 53.075 | ng | | 97 |
| 22) Acetophenone | 8.98 | 105 | 241803 | 57.176 | ng | # | 95 |
| 24) Nitrobenzene | 9.37 | 77 | 207250 | 59.016 | ng | | 97 |
| 25) Isophorone | 9.89 | 82 | 383490 | 52.306 | ng | | 97 |
| 26) 2-Nitrophenol | 10.07 | 139 | 81005 | 64.350 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.12 | 122 | 154519 | 65.422 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.36 | 93 | 192621 | 52.365 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.61 | 162 | 170537 | 63.511 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.83 | 180 | 142881 | 47.984 | ng | | 97 |
| 31) Naphthalene | 11.02 | 128 | 398646 | 49.339 | ng | | 98 |
| 32) Benzoic acid | 10.23 | 122 | 88656 | 54.831 | ng | | 98 |
| 33) 4-Chloroaniline | 11.13 | 127 | 40279 | 11.244 | ng | | 93 |
| 34) Hexachlorobutadiene | 11.28 | 225 | 96840 | 44.052 | ng | | 98 |
| 35) Caprolactam | 11.91 | 113 | 49027 | 46.247 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.22 | 107 | 204922 | 60.496 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.61 | 142 | 325034 | 53.804 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.83 | 142 | 310981 | 52.666 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.97 | 216 | 227785 | 52.155 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.94 | 237 | 202078 | 78.411 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.21 | 196 | 162139 | 61.433 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.28 | 196 | 181714 | 63.202 | ng | | 95 |
| 46) 1,1'-Biphenyl | 13.61 | 154 | 461113 | 50.658 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.66 | 162 | 374774 | 52.610 | ng | | 99 |
| 48) 2-Nitroaniline | 13.86 | 65 | 165116 | 65.116 | ng | | 97 |
| 49) Acenaphthylene | 14.50 | 152 | 624261 | 51.652 | ng | | 99 |
| 50) Dimethylphthalate | 14.22 | 163 | 555637 | 56.645 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.35 | 165 | 125309 | 65.454 | ng | | 92 |
| 52) Acenaphthene | 14.84 | 154 | 367328 | 52.189 | ng | | 96 |
| 53) 3-Nitroaniline | 14.68 | 138 | 77593 | 39.557 | ng | # | 98 |
| 54) 2,4-Dinitrophenol | 14.88 | 184 | 82249 | 76.511 | ng | # | 83 |
| 55) Dibenzofuran | 15.17 | 168 | 641401 | 55.636 | ng | | 99 |
| 56) 4-Nitrophenol | 14.97 | 139 | 186657 | 109.740 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 15.13 | 165 | 184469 | 70.911 | ng | | 95 |
| 58) Fluorene | 15.82 | 166 | 532322 | 57.128 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.39 | 232 | 200041 | 69.127 | ng | | 96 |
| 60) Diethylphthalate | 15.58 | 149 | 591786 | 57.180 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 15.81 | 204 | 314919 | 58.110 | ng | | 96 |
| 62) 4-Nitroaniline | 15.85 | 138 | 131347 | 59.860 | ng | | 95 |
| 63) Azobenzene | 16.10 | 77 | 574832 | 53.932 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.89 | 198 | 79612 | 48.973 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 16.03 | 169 | 493588 | 51.026 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.70 | 248 | 214947 | 52.474 | ng | | 96 |
| 68) Hexachlorobenzene | 16.81 | 284 | 224243 | 52.943 | ng | | 95 |
| 69) Atrazine | 16.96 | 200 | 225774 | 58.910 | ng | | 96 |
| 70) Pentachlorophenol | 17.16 | 266 | 251853 | 101.615 | ng | | 99 |
| 71) Phenanthrene | 17.57 | 178 | 960392 | 54.230 | ng | | 98 |
| 72) Anthracene | 17.65 | 178 | 983683 | 55.260 | ng | | 100 |
| 73) Carbazole | 17.92 | 167 | 868642 | 53.560 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.46 | 149 | 1050160 | 53.648 | ng | | 99 |
| 75) Fluoranthene | 19.56 | 202 | 1254705 | 56.854 | ng | | 100 |
| 77) Benzidine | 19.74 | 184 | 173650 | 19.057 | ng | | 97 |
| 78) Pyrene | 19.93 | 202 | 1255892 | 60.210 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.80 | 149 | 485140 | 59.675 | ng | | 92 |
| 81) Benzo(a)anthracene | 21.78 | 228 | 1207580 | 57.413 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.70 | 252 | 258133 | 34.432 | ng | | 99 |
| 83) Chrysene | 21.85 | 228 | 1183784 | 59.180 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.66 | 149 | 657209 | 56.003 | ng | | 96 |
| 85) Di-n-octyl phthalate | 22.92 | 149 | 1126199 | 56.983 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 29.02 | 276 | 1285804 | 53.166 | ng | # | 89 |
| 88) Benzo(b)fluoranthene | 24.09 | 252 | 1227049 | 55.981 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 24.16 | 252 | 1198129 | 58.530 | ng | | 98 |
| 90) Benzo(a)pyrene | 25.00 | 252 | 1184591 | 57.094 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 29.09 | 278 | 1062089 | 50.584 | ng | # | 98 |
| 92) Benzo(g,h,i)perylene | 30.24 | 276 | 1045747 | 50.044 | ng | | 97 |

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

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