Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040618\
Data File : BG033637.D
Acq On : 6 Apr 2018 20:42
Operator : SJ/JU
Sample : J2214-03MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** HH-STONEMSD

**Manual Integrations APPROVED**
Sohil
4/9/2018 5:04:11 PM

Quant Time: Apr 09 07:13:37 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 05 17:36:07 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.86 | 152 | 38446 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.74 | 136 | 184049 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.48 | 164 | 134192 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 18.21 | 188 | 334131 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.56 | 240 | 334614 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 26.32 | 264 | 346445 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.29 | 112 | 325466 | 158.74 | ng | | 0.00 |
| 7) Phenol-d6 | 7.98 | 99 | 476557 | 135.28 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 10.06 | 82 | 365028 | 91.12 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.96 | 330 | 254315 | 126.71 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 14.11 | 172 | 859099 | 92.42 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.73 | 244 | 1468339 | 93.85 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.93 | 88 | 39930 | 38.349 | ng | # | 87 |
| 3) Pyridine | 4.42 | 79 | 16739m | 5.816 | ng | | |
| 4) n-Nitrosodimethylamine | 4.29 | 42 | 56541 | 47.867 | ng | # | 83 |
| 6) Aniline | 8.15 | 93 | 118223 | 28.537 | ng | | 90 |
| 8) 2-Chlorophenol | 8.41 | 128 | 118902 | 50.727 | ng | | 95 |
| 9) Benzaldehyde | 7.97 | 77 | 43642 | 19.493 | ng | | 93 |
| 10) Phenol | 8.00 | 94 | 152135 | 43.740 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 8.24 | 93 | 131652 | 46.373 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 8.74 | 146 | 116666 | 38.071 | ng | | 93 |
| 13) 1,4-Dichlorobenzene | 8.90 | 146 | 109313 | 35.618 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 9.22 | 146 | 121344 | 40.511 | ng | | 98 |
| 15) Benzyl Alcohol | 9.10 | 79 | 134029 | 48.322 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.38 | 45 | 222614 | 48.100 | ng | | 93 |
| 17) 2-Methylphenol | 9.30 | 107 | 113832m | 48.042 | ng | | |
| 18) Hexachloroethane | 9.98 | 117 | 46074 | 38.897 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 9.66 | 70 | 118336 | 45.841 | ng | | 95 |
| 20) 3+4-Methylphenols | 9.64 | 107 | 152977 | 45.345 | ng | | 88 |
| 22) Acetophenone | 9.70 | 105 | 197769 | 39.222 | ng | # | 96 |
| 24) Nitrobenzene | 10.11 | 77 | 181947 | 42.434 | ng | | 91 |
| 25) Isophorone | 10.62 | 82 | 348851 | 44.869 | ng | | 98 |
| 26) 2-Nitrophenol | 10.83 | 139 | 72672 | 44.767 | ng | # | 85 |
| 27) 2,4-Dimethylphenol | 10.86 | 122 | 124526 | 52.805 | ng | | 85 |
| 28) bis(2-Chloroethoxy)methane | 11.10 | 93 | 173809 | 44.805 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 11.37 | 162 | 139742 | 48.184 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 11.60 | 180 | 140742 | 37.352 | ng | | 97 |
| 31) Naphthalene | 11.79 | 128 | 391555 | 41.054 | ng | | 98 |
| 32) Benzoic acid | 11.00 | 122 | 56837 | 25.927 | ng | | 91 |
| 33) 4-Chloroaniline | 11.90 | 127 | 124752 | 29.195 | ng | # | 91 |
| 34) Hexachlorobutadiene | 12.05 | 225 | 98480 | 34.561 | ng | | 99 |
| 35) Caprolactam | 12.63 | 113 | 39174 | 34.479 | ng | # | 85 |
| 36) 4-Chloro-3-methylphenol | 12.96 | 107 | 176028 | 46.537 | ng | | 90 |
| 37) 2-Methylnaphthalene | 13.34 | 142 | 310813 | 41.986 | ng | | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.70 | 216 | 196141 | 40.352 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 13.67 | 237 | 195332 | 68.549 | ng | | 91 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.93 | 196 | 125294 | 44.365 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 14.01 | 196 | 147699 | 44.246 | ng | | 96 |
| 45) 1,1'-Biphenyl | 14.32 | 154 | 441533 | 42.827 | ng | | 96 |
| 46) 2-Chloronaphthalene | 14.38 | 162 | 340448 | 42.828 | ng | | 96 |
| 47) 2-Nitroaniline | 14.57 | 65 | 142368 | 47.816 | ng | | 89 |
| 48) Acenaphthylene | 15.21 | 152 | 568525 | 42.847 | ng | | 100 |
| 49) Dimethylphthalate | 14.91 | 163 | 489523 | 41.917 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 15.04 | 165 | 104514 | 43.768 | ng | | 96 |
| 51) Acenaphthene | 15.55 | 154 | 404728 | 47.317 | ng | | 97 |
| 52) 3-Nitroaniline | 15.38 | 138 | 98143 | 39.203 | ng | # | 90 |
| 53) 2,4-Dinitrophenol | 15.58 | 184 | 83840 | 68.965 | ng | # | 78 |
| 54) Dibenzofuran | 15.87 | 168 | 565154 | 44.730 | ng | # | 90 |
| 55) 4-Nitrophenol | 15.66 | 139 | 134432 | 76.366 | ng | # | 85 |
| 56) 2,4-Dinitrotoluene | 15.82 | 165 | 155722 | 44.290 | ng | # | 98 |
| 57) Fluorene | 16.52 | 166 | 471149 | 43.771 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 16.09 | 232 | 135751 | 43.198 | ng | | 96 |
| 59) Diethylphthalate | 16.25 | 149 | 489037 | 43.125 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 16.49 | 204 | 258515 | 41.780 | ng | | 98 |
| 61) 4-Nitroaniline | 16.53 | 138 | 107175 | 42.275 | ng | | 87 |
| 62) Azobenzene | 16.78 | 77 | 510432 | 46.466 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 16.57 | 198 | 73755 | 36.898 | ng | | 98 |
| 65) n-Nitrosodiphenylamine | 16.70 | 169 | 426823 | 44.745 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 17.38 | 248 | 166612 | 42.459 | ng | | 93 |
| 67) Hexachlorobenzene | 17.51 | 284 | 165102 | 39.867 | ng | # | 87 |
| 68) Atrazine | 17.62 | 200 | 152913 | 39.560 | ng | | 99 |
| 69) Pentachlorophenol | 17.85 | 266 | 184344 | 64.855 | ng | | 97 |
| 70) Phenanthrene | 18.25 | 178 | 765196 | 43.973 | ng | | 99 |
| 71) Anthracene | 18.34 | 178 | 784202 | 44.508 | ng | | 99 |
| 72) Carbazole | 18.60 | 167 | 682728 | 43.727 | ng | # | 96 |
| 73) Di-n-butylphthalate | 19.10 | 149 | 822734 | 45.272 | ng | # | 98 |
| 74) Fluoranthene | 20.21 | 202 | 927289 | 43.061 | ng | | 98 |
| 76) Benzidine | 20.39 | 184 | 26960m | 2.971 | ng | | |
| 77) Pyrene | 20.56 | 202 | 939020 | 42.077 | ng | | 100 |
| 79) Butylbenzylphthalate | 21.42 | 149 | 380736 | 46.232 | ng | | 99 |
| 80) Benzo(a)anthracene | 22.54 | 228 | 915784 | 42.981 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 22.42 | 252 | 283260 | 37.360 | ng | | 96 |
| 82) Chrysene | 22.61 | 228 | 883867 | 42.854 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 22.36 | 149 | 532920 | 46.943 | ng | | 99 |
| 84) Di-n-octyl phthalate | 23.75 | 149 | 905735 | 52.107 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 30.70 | 276 | 903964 | 40.537 | ng | # | 88 |
| 87) Benzo(b)fluoranthene | 25.11 | 252 | 895865 | 44.758 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 25.19 | 252 | 915032 | 45.201 | ng | | 98 |
| 89) Benzo(a)pyrene | 26.15 | 252 | 896882 | 46.660 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 30.79 | 278 | 701989 | 38.771 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 32.07 | 276 | 702040 | 39.156 | ng | | 96 |

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

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