Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060319\

Quantitation Report (QT Reviewed)

Data File : BG041026.D
Acq On : 3 Jun 2019 9:55
Operator : HP/JU
Sample : K3084-01MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TEST-PIT-6MSD

**Manual Integrations APPROVED**
mohammad
6/5/2019 8:35:17 AM

Quant Time: Jun 03 15:45:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.12 | 152 | 60661 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.94 | 136 | 245042 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.75 | 164 | 177664 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.50 | 188 | 449288 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.78 | 240 | 443484 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.11 | 264 | 470863 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.66 | 112 | 488096 | 145.09 | ng | | 0.00 |
| 7) Phenol-d6 | 7.27 | 99 | 710603 | 136.77 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.30 | 82 | 485288 | 87.92 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.24 | 330 | 364877 | 138.34 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.38 | 172 | 995818 | 80.72 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.09 | 244 | 1633105 | 78.15 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 55969 | 36.664 | ng | | 95 |
| 3) Pyridine | 3.92 | 79 | 152575 | 33.778 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.85 | 42 | 95078 | 45.353 | ng | | 94 |
| 6) Aniline | 7.45 | 93 | 118973 | 17.156 | ng | | 98 |
| 8) 2-Chlorophenol | 7.68 | 128 | 186230 | 46.435 | ng | | 94 |
| 9) Benzaldehyde | 7.26 | 77 | 87564 | 28.253 | ng | | 92 |
| 10) Phenol | 7.30 | 94 | 266044 | 47.759 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.54 | 93 | 174230 | 43.114 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 8.01 | 146 | 195219 | 40.755 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.16 | 146 | 204773 | 42.233 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.48 | 146 | 196321 | 41.701 | ng | | 99 |
| 15) Benzyl Alcohol | 8.36 | 79 | 211721 | 44.054 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.64 | 45 | 276322 | 41.845 | ng | | 97 |
| 17) 2-Methylphenol | 8.55 | 107 | 179218 | 44.434 | ng | | 100 |
| 18) Hexachloroethane | 9.21 | 117 | 76665 | 41.025 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.93 | 70 | 167934 | 42.003 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.88 | 107 | 240125 | 42.980 | ng | | 98 |
| 22) Acetophenone | 8.95 | 105 | 310951 | 45.237 | ng | # | 97 |
| 24) Nitrobenzene | 9.34 | 77 | 260704 | 46.347 | ng | | 99 |
| 25) Isophorone | 9.86 | 82 | 471834 | 44.917 | ng | | 99 |
| 26) 2-Nitrophenol | 10.05 | 139 | 114002 | 49.161 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 10.09 | 122 | 192367 | 50.228 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 10.34 | 93 | 249651 | 44.034 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.58 | 162 | 223986 | 46.055 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.80 | 180 | 240040 | 43.386 | ng | | 97 |
| 31) Naphthalene | 11.00 | 128 | 588416 | 44.724 | ng | | 97 |
| 32) Benzoic acid | 10.16 | 122 | 12047 | 11.490 | ng | | 90 |
| 33) 4-Chloroaniline | 11.10 | 127 | 82228 | 13.470 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.26 | 225 | 176370 | 41.662 | ng | | 98 |
| 35) Caprolactam | 11.89 | 113 | 67779m | 42.202 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.21 | 107 | 245882 | 44.268 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.59 | 142 | 435591 | 42.988 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.81 | 142 | 413483 | 43.303 | ng | | 96 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.95 | 216 | 318295 | 44.449 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.92 | 237 | 312552 | 81.074 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.19 | 196 | 211825 | 45.727 | ng | | 95 |
| 44) 2,4,5-Trichlorophenol | 13.26 | 196 | 222905 | 45.626 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.59 | 154 | 582585 | 44.300 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.64 | 162 | 486227 | 43.067 | ng | | 99 |
| 48) 2-Nitroaniline | 13.84 | 65 | 180570 | 44.582 | ng | | 98 |
| 49) Acenaphthylene | 14.48 | 152 | 758531 | 44.640 | ng | | 98 |
| 50) Dimethylphthalate | 14.21 | 163 | 801323 | 53.282 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.33 | 165 | 147925 | 45.619 | ng | | 95 |
| 52) Acenaphthene | 14.82 | 154 | 443140 | 43.050 | ng | | 97 |
| 53) 3-Nitroaniline | 14.66 | 138 | 73869 | 22.782 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.86 | 184 | 106714 | 67.861 | ng | | 97 |
| 55) Dibenzofuran | 15.15 | 168 | 763020 | 44.053 | ng | | 99 |
| 56) 4-Nitrophenol | 14.96 | 139 | 226224 | 101.717 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 15.12 | 165 | 210476 | 45.951 | ng | # | 98 |
| 58) Fluorene | 15.80 | 166 | 595532 | 43.174 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.37 | 232 | 228033 | 47.495 | ng | | 99 |
| 60) Diethylphthalate | 15.55 | 149 | 657161 | 42.817 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.78 | 204 | 379574 | 42.336 | ng | | 97 |
| 62) 4-Nitroaniline | 15.83 | 138 | 141021 | 41.081 | ng | | 96 |
| 63) Azobenzene | 16.07 | 77 | 607031 | 43.516 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.87 | 198 | 115508 | 47.981 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 16.00 | 169 | 554343 | 43.891 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.68 | 248 | 247693 | 40.851 | ng | | 95 |
| 68) Hexachlorobenzene | 16.79 | 284 | 260865 | 40.404 | ng | | 98 |
| 69) Atrazine | 16.94 | 200 | 245045 | 50.283 | ng | | 99 |
| 70) Pentachlorophenol | 17.14 | 266 | 318276 | 91.381 | ng | | 97 |
| 71) Phenanthrene | 17.54 | 178 | 1001928 | 42.812 | ng | | 98 |
| 72) Anthracene | 17.63 | 178 | 1032498 | 44.733 | ng | | 100 |
| 73) Carbazole | 17.90 | 167 | 923101 | 46.610 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.43 | 149 | 1050257 | 42.667 | ng | | 97 |
| 75) Fluoranthene | 19.54 | 202 | 1289537 | 44.611 | ng | | 98 |
| 77) Benzidine | 19.72 | 184 | 297085 | 28.081 | ng | | 98 |
| 78) Pyrene | 19.90 | 202 | 1278802 | 44.358 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.77 | 149 | 500949 | 44.651 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.75 | 228 | 1260476 | 42.698 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.67 | 252 | 227265 | 21.888 | ng | | 97 |
| 83) Chrysene | 21.83 | 228 | 1223159 | 43.297 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 681766 | 43.168 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.87 | 149 | 1173825 | 44.627 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.95 | 276 | 1526547 | 44.112 | ng | # | 98 |
| 88) Benzo(b)fluoranthene | 24.05 | 252 | 1293166 | 45.280 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.12 | 252 | 1251332 | 44.277 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.96 | 252 | 1256103 | 46.099 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 29.02 | 278 | 1233547 | 45.307 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.17 | 276 | 1242470 | 46.972 | ng | | 99 |

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

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