Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040905.D
Acq On : 12 May 2019 12:16
Operator : HP/JU
Sample : K2768-14MS
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS015-1824-01MS

**Manual Integrations APPROVED**
Sohil
5/14/2019 8:01:51 PM

Quant Time: May 13 05:07:19 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 | 8.14 | 152 | 52562 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.96 | 136 | 220155 | 20.00 | ng | | -0.03 |
| 39) Acenaphthene-d10 | 14.76 | 164 | 160913 | 20.00 | ng | | -0.03 |
| 64) Phenanthrene-d10 | 17.51 | 188 | 400285 | 20.00 | ng | | -0.03 |
| 76) Chrysene-d12 | 21.80 | 240 | 401358 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 25.14 | 264 | 445586 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.67 | 112 | 414845 | 139.13 | ng | | -0.02 |
| 7) Phenol-d6 | 7.28 | 99 | 620822 | 135.22 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.31 | 82 | 419749 | 88.10 | ng | | -0.03 |
| 42) 2,4,6-Tribromophenol | 16.25 | 330 | 314544 | 142.21 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 13.39 | 172 | 888812 | 79.77 | ng | | -0.03 |
| 79) Terphenyl-d14 | 20.10 | 244 | 1517722 | 83.78 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 42705 | 31.492 | ng | | 92 |
| 3) Pyridine | 3.94 | 79 | 86450 | 21.994 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.86 | 42 | 73633 | 33.774 | ng | | 93 |
| 6) Aniline | 7.45 | 93 | 86868 | 14.275 | ng | | 99 |
| 8) 2-Chlorophenol | 7.69 | 128 | 153996 | 42.296 | ng | | 98 |
| 9) Benzaldehyde | 7.27 | 77 | 82637 | 27.126 | ng | | 96 |
| 10) Phenol | 7.30 | 94 | 214573 | 43.478 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.55 | 93 | 142356 | 38.466 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 8.02 | 146 | 155975 | 39.249 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.17 | 146 | 159899 | 39.691 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.49 | 146 | 153012 | 39.384 | ng | | 99 |
| 15) Benzyl Alcohol | 8.37 | 79 | 178576 | 37.382 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65 | 45 | 234110 | 31.773 | ng | | 91 |
| 17) 2-Methylphenol | 8.56 | 107 | 150250 | 43.020 | ng | | 94 |
| 18) Hexachloroethane | 9.22 | 117 | 60714 | 36.740 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.94 | 70 | 142721 | 34.534 | ng | | 91 |
| 20) 3+4-Methylphenols | 8.89 | 107 | 208390 | 42.831 | ng | | 98 |
| 22) Acetophenone | 8.96 | 105 | 254055 | 41.499 | ng | # | 96 |
| 24) Nitrobenzene | 9.36 | 77 | 214584 | 42.211 | ng | | 97 |
| 25) Isophorone | 9.87 | 82 | 407125 | 38.360 | ng | | 99 |
| 26) 2-Nitrophenol | 10.06 | 139 | 95055 | 52.164 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 10.10 | 122 | 161965 | 47.372 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.35 | 93 | 214150 | 40.217 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.59 | 162 | 187840 | 48.325 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.81 | 180 | 194005 | 45.008 | ng | | 97 |
| 31) Naphthalene | 11.01 | 128 | 484051 | 41.385 | ng | | 98 |
| 32) Benzoic acid | 10.23 | 122 | 89951 | 38.431 | ng | | 95 |
| 33) 4-Chloroaniline | 11.11 | 127 | 54819 | 10.571 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.27 | 225 | 137362 | 43.165 | ng | | 98 |
| 35) Caprolactam | 11.90 | 113 | 56632m | 36.903 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.22 | 107 | 218585 | 44.577 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.60 | 142 | 367214 | 41.992 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.82 | 142 | 353577 | 41.365 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.96 | 216 | 264412 | 44.110 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.93 | 237 | 324570 | 91.759 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.19 | 196 | 181030 | 49.974 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.27 | 196 | 193372 | 49.003 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.60 | 154 | 494446 | 39.577 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.65 | 162 | 409986 | 41.933 | ng | | 98 |
| 48) 2-Nitroaniline | 13.85 | 65 | 154142 | 44.290 | ng | | 92 |
| 49) Acenaphthylene | 14.49 | 152 | 645574 | 38.918 | ng | | 99 |
| 50) Dimethylphthalate | 14.21 | 163 | 716202 | 53.197 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.34 | 165 | 125326 | 47.696 | ng | | 89 |
| 52) Acenaphthene | 14.83 | 154 | 380376 | 39.375 | ng | | 96 |
| 53) 3-Nitroaniline | 14.67 | 138 | 66681 | 24.767 | ng | # | 91 |
| 54) 2,4-Dinitrophenol | 14.87 | 184 | 159608 | 105.272 | ng | | 92 |
| 55) Dibenzofuran | 15.16 | 168 | 641252 | 40.527 | ng | | 99 |
| 56) 4-Nitrophenol | 14.97 | 139 | 207019 | 88.677 | ng | # | 84 |
| 57) 2,4-Dinitrotoluene | 15.13 | 165 | 175388 | 49.121 | ng | | 90 |
| 58) Fluorene | 15.81 | 166 | 500413 | 39.128 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.38 | 232 | 199559 | 50.243 | ng | | 94 |
| 60) Diethylphthalate | 15.56 | 149 | 557759 | 39.265 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 15.80 | 204 | 320107 | 43.035 | ng | | 95 |
| 62) 4-Nitroaniline | 15.84 | 138 | 120749 | 40.094 | ng | | 92 |
| 63) Azobenzene | 16.08 | 77 | 518080 | 35.415 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.88 | 198 | 106994 | 53.324 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 16.01 | 169 | 460182 | 39.075 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.69 | 248 | 208093 | 41.727 | ng | | 92 |
| 68) Hexachlorobenzene | 16.80 | 284 | 213369 | 41.378 | ng | | 96 |
| 69) Atrazine | 16.95 | 200 | 207851 | 44.547 | ng | | 95 |
| 70) Pentachlorophenol | 17.15 | 266 | 285005 | 94.452 | ng | | 97 |
| 71) Phenanthrene | 17.55 | 178 | 859823 | 39.880 | ng | | 99 |
| 72) Anthracene | 17.64 | 178 | 875311 | 40.389 | ng | | 100 |
| 73) Carbazole | 17.91 | 167 | 789117 | 39.966 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.45 | 149 | 899917 | 37.762 | ng | | 99 |
| 75) Fluoranthene | 19.55 | 202 | 1100041 | 40.943 | ng | | 99 |
| 77) Benzidine | 19.73 | 184 | 135575 | 12.337 | ng | | 98 |
| 78) Pyrene | 19.92 | 202 | 1127640 | 44.827 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.78 | 149 | 416783 | 42.510 | ng | | 94 |
| 81) Benzo(a)anthracene | 21.77 | 228 | 1065651 | 42.011 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.68 | 252 | 227879 | 25.205 | ng | | 98 |
| 83) Chrysene | 21.84 | 228 | 1045420 | 43.335 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.64 | 149 | 590265 | 41.707 | ng | | 96 |
| 85) Di-n-octyl phthalate | 22.89 | 149 | 1010903 | 42.412 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 28.99 | 276 | 1303227 | 44.682 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 24.07 | 252 | 1113744 | 40.903 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.14 | 252 | 1049936 | 41.288 | ng | # | 98 |
| 90) Benzo(a)pyrene | 24.98 | 252 | 1073096 | 41.634 | ng | # | 99 |
| 91) Dibenzo(a,h)anthracene | 29.06 | 278 | 1062158 | 40.722 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 30.22 | 276 | 1076168 | 41.457 | ng | | 99 |

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

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