Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045353.D
Acq On : 13 May 2020 8:23
Operator : CG/JU
Sample : L2575-02MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP-28MSD

**Manual Integrations APPROVED**
mohammad
5/14/2020 11:54:09 AM

Quant Time: May 13 09:03:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 12 15:48:20 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.97 | 152 | 63388 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.78 | 136 | 259601 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.61 | 164 | 192052 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.36 | 188 | 456286 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.63 | 240 | 420013 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.79 | 264 | 474151 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.54 | 112 | 449837 | 117.16 | ng | | 0.00 |
| 7) Phenol-d6 | 7.14 | 99 | 652034 | 114.30 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.13 | 82 | 405251 | 71.23 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.10 | 330 | 318349 | 107.30 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.24 | 172 | 950217 | 72.55 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.98 | 244 | 1681258 | 87.25 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.42 | 88 | 57664 | 33.794 | ng | | 95 |
| 3) Pyridine | 3.82 | 79 | 136936 | 26.064 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.73 | 42 | 60791 | 37.772 | ng | | 100 |
| 6) Aniline | 7.29 | 93 | 142877 | 19.263 | ng | | 98 |
| 8) 2-Chlorophenol | 7.54 | 128 | 168769 | 40.900 | ng | | 98 |
| 9) Benzaldehyde | 7.10 | 77 | 128560 | 39.986 | ng | | 99 |
| 10) Phenol | 7.17 | 94 | 231634 | 40.578 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.39 | 93 | 155929 | 34.308 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.86 | 146 | 176425 | 36.283 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.01 | 146 | 179700 | 37.089 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.33 | 146 | 167047 | 36.038 | ng | | 94 |
| 15) Benzyl Alcohol | 8.21 | 79 | 173981 | 36.377 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.50 | 45 | 141447 | 31.705 | ng | | 98 |
| 17) 2-Methylphenol | 8.42 | 107 | 154460 | 35.070 | ng | | 96 |
| 18) Hexachloroethane | 9.06 | 117 | 70205 | 38.544 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.78 | 70 | 140881 | 34.921 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.75 | 107 | 215872 | 35.017 | ng | | 99 |
| 22) Acetophenone | 8.79 | 105 | 262960 | 37.457 | ng | | 98 |
| 24) Nitrobenzene | 9.17 | 77 | 209934 | 35.998 | ng | # | 95 |
| 25) Isophorone | 9.70 | 82 | 396011 | 33.989 | ng | | 99 |
| 26) 2-Nitrophenol | 9.89 | 139 | 97747 | 38.911 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.95 | 122 | 156477 | 39.258 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.18 | 93 | 219696 | 35.888 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.43 | 162 | 178792 | 38.847 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.65 | 180 | 186571 | 35.803 | ng | | 97 |
| 31) Naphthalene | 10.83 | 128 | 516160 | 36.346 | ng | | 99 |
| 32) Benzoic acid | 10.11 | 122 | 95046 | 31.972 | ng | | 97 |
| 33) 4-Chloroaniline | 10.94 | 127 | 66850 | 10.094 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.13 | 225 | 130290 | 36.468 | ng | | 97 |
| 35) Caprolactam | 11.70 | 113 | 65882m | 35.966 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.07 | 107 | 205423 | 37.994 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.44 | 142 | 392010 | 35.563 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.66 | 142 | 375381 | 36.073 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.81 | 216 | 216728 | 35.049 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.80 | 237 | 274167 | 70.939 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.05 | 196 | 158270 | 36.266 | ng | | 90 |
| 44) 2,4,5-Trichlorophenol | 13.13 | 196 | 174189 | 35.065 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.45 | 154 | 512527 | 35.111 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.49 | 162 | 389571 | 34.927 | ng | | 96 |
| 48) 2-Nitroaniline | 13.68 | 65 | 130074 | 35.444 | ng | | 98 |
| 49) Acenaphthylene | 14.34 | 152 | 665167 | 36.612 | ng | | 99 |
| 50) Dimethylphthalate | 14.07 | 163 | 682164 | 43.623 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.18 | 165 | 125298 | 35.823 | ng | | 96 |
| 52) Acenaphthene | 14.68 | 154 | 499803m | 40.660 | ng | | |
| 53) 3-Nitroaniline | 14.51 | 138 | 54174 | 14.122 | ng | # | 91 |
| 54) 2,4-Dinitrophenol | 14.72 | 184 | 157140 | 75.554 | ng | | 92 |
| 55) Dibenzofuran | 15.02 | 168 | 639484 | 35.683 | ng | | 99 |
| 56) 4-Nitrophenol | 14.84 | 139 | 213036 | 71.623 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 14.98 | 165 | 180302 | 35.273 | ng | | 96 |
| 58) Fluorene | 15.66 | 166 | 526981 | 36.000 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.25 | 232 | 162564 | 36.779 | ng | | 98 |
| 60) Diethylphthalate | 15.44 | 149 | 569189 | 34.911 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.66 | 204 | 291597 | 34.608 | ng | | 98 |
| 62) 4-Nitroaniline | 15.68 | 138 | 122470 | 30.780 | ng | | 93 |
| 63) Azobenzene | 15.95 | 77 | 537464 | 35.756 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.74 | 198 | 117030 | 39.021 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 15.87 | 169 | 474095 | 36.163 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.55 | 248 | 203843 | 34.629 | ng | | 99 |
| 68) Hexachlorobenzene | 16.67 | 284 | 220646 | 36.142 | ng | | 99 |
| 69) Atrazine | 16.82 | 200 | 184287 | 37.773 | ng | | 95 |
| 70) Pentachlorophenol | 17.02 | 266 | 264662 | 70.668 | ng | | 96 |
| 71) Phenanthrene | 17.40 | 178 | 871246 | 37.158 | ng | | 99 |
| 72) Anthracene | 17.50 | 178 | 892914 | 37.964 | ng | | 100 |
| 73) Carbazole | 17.76 | 167 | 823825 | 34.515 | ng | | 97 |
| 74) Di-n-butylphthalate | 18.33 | 149 | 998253 | 37.395 | ng | | 99 |
| 75) Fluoranthene | 19.42 | 202 | 1099065 | 39.066 | ng | | 98 |
| 77) Benzidine | 19.59 | 184 | 484168 | 39.006 | ng | | 94 |
| 78) Pyrene | 19.78 | 202 | 1085821 | 37.499 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.66 | 149 | 451624 | 37.627 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.61 | 228 | 1041793 | 38.269 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.52 | 252 | 174048 | 16.063 | ng | | 95 |
| 83) Chrysene | 21.67 | 228 | 983670 | 37.608 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.52 | 149 | 624473 | 37.829 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.71 | 149 | 1064621 | 37.295 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.38 | 276 | 1318392 | 37.964 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 23.79 | 252 | 1091682m | 36.756 | ng | | |
| 89) Benzo(k)fluoranthene | 23.85 | 252 | 1079787 | 38.229 | ng | | 97 |
| 90) Benzo(a)pyrene | 24.64 | 252 | 1019329 | 36.350 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.44 | 278 | 1075427 | 38.060 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 29.50 | 276 | 1085924 | 38.333 | ng | | 99 |

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

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