Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062218\
Data File : BG035334.D
Acq On : 22 Jun 2018 15:31
Operator : JU/SJ
Sample : PB110230BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB110230BS

Manual Integrations APPROVED
Sohil
6/25/2018 5:19:02 PM

Quant Time: Jun 22 16:56:55 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 08 17:16:28 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 53610 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.86 | 136 | 195173 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.68 | 164 | 133438 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.42 | 188 | 356041 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 21.69 | 240 | 371747 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 24.91 | 264 | 361589 | 20.00 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 430993 | 135.67 | ng | | -0.01 |
| 7) Phenol-d6 | 7.22 | 99 | 618168 | 131.84 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 390355 | 95.07 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.16 | 330 | 279155 | 163.42 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.30 | 172 | 904209 | 88.09 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.02 | 244 | 1571429 | 88.54 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.55 | 88 | 48950 | 32.296 | ng | # | 75 |
| 3) Pyridine | 3.95 | 79 | 140947 | 34.466 | ng | # | 67 |
| 4) n-Nitrosodimethylamine | 3.86 | 42 | 56696 | 32.271 | ng | # | 70 |
| 6) Aniline | 7.38 | 93 | 169632 | 27.989 | ng | | 97 |
| 8) 2-Chlorophenol | 7.62 | 128 | 137657 | 41.341 | ng | | 96 |
| 9) Benzaldehyde | 7.19 | 77 | 95197 | 26.359 | ng | | 87 |
| 10) Phenol | 7.24 | 94 | 208896 | 43.052 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 139190 | 36.959 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 7.95 | 146 | 157663 | 39.684 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 160045 | 39.023 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 151919 | 39.435 | ng | | 97 |
| 15) Benzyl Alcohol | 8.29 | 79 | 162319 | 36.536 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 153044 | 40.829 | ng | | 73 |
| 17) 2-Methylphenol | 8.49 | 107 | 138828 | 43.397 | ng | | 93 |
| 18) Hexachloroethane | 9.14 | 117 | 57253 | 38.993 | ng | | 89 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 126996 | 31.882 | ng | # | 86 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 194650 | 42.451 | ng | | 93 |
| 22) Acetophenone | 8.87 | 105 | 232666 | 38.484 | ng | # | 90 |
| 24) Nitrobenzene | 9.26 | 77 | 187997 | 44.713 | ng | | 94 |
| 25) Isophorone | 9.78 | 82 | 364746 | 42.075 | ng | | 100 |
| 26) 2-Nitrophenol | 9.97 | 139 | 79630 | 54.945 | ng | # | 92 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 147110 | 48.292 | ng | | 91 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 192772 | 41.380 | ng | | 93 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 164702 | 49.689 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 176701 | 44.458 | ng | | 98 |
| 31) Naphthalene | 10.91 | 128 | 423510 | 41.770 | ng | | 98 |
| 32) Benzoic acid | 10.17 | 122 | 93084 | 45.620 | ng | | 93 |
| 33) 4-Chloroaniline | 11.01 | 127 | 84448 | 19.182 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.19 | 225 | 133365 | 43.145 | ng | | 98 |
| 35) Caprolactam | 11.79 | 113 | 52192m | 42.606 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 193723 | 46.885 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 332400 | 43.242 | ng | | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 233034 | 46.886 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.85 | 237 | 323514 | 103.796 | ng | | 91 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.11 | 196 | 151907 | 51.042 | ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 13.19 | 196 | 171547 | 52.517 | ng | | 96 |
| 45) 1,1'-Biphenyl | 13.51 | 154 | 456960 | 42.588 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.56 | 162 | 362582 | 44.695 | ng | | 98 |
| 47) 2-Nitroaniline | 13.76 | 65 | 120338 | 50.235 | ng | | 95 |
| 48) Acenaphthylene | 14.40 | 152 | 590635 | 43.420 | ng | | 99 |
| 49) Dimethylphthalate | 14.13 | 163 | 495448 | 42.578 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 14.25 | 165 | 115114 | 54.227 | ng | # | 89 |
| 51) Acenaphthene | 14.74 | 154 | 352439 | 39.655 | ng | | 99 |
| 52) 3-Nitroaniline | 14.58 | 138 | 69008 | 33.128 | ng | # | 96 |
| 53) 2,4-Dinitrophenol | 14.78 | 184 | 133603 | 155.511 | ng | # | 63 |
| 54) Dibenzofuran | 15.07 | 168 | 578398 | 43.453 | ng | | 94 |
| 55) 4-Nitrophenol | 14.88 | 139 | 167273 | 95.148 | ng | # | 86 |
| 56) 2,4-Dinitrotoluene | 15.04 | 165 | 163077 | 57.830 | ng | # | 82 |
| 57) Fluorene | 15.72 | 166 | 482462 | 43.370 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 173406 | 54.645 | ng | | 91 |
| 59) Diethylphthalate | 15.49 | 149 | 487962 | 41.102 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.71 | 204 | 281300 | 44.345 | ng | | 97 |
| 61) 4-Nitroaniline | 15.74 | 138 | 111203 | 49.778 | ng | # | 76 |
| 62) Azobenzene | 16.01 | 77 | 479766 | 41.239 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 15.79 | 198 | 95376 | 58.672 | ng | | 82 |
| 65) n-Nitrosodiphenylamine | 15.93 | 169 | 429651 | 40.183 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.60 | 248 | 194514 | 45.367 | ng | | 98 |
| 67) Hexachlorobenzene | 16.73 | 284 | 198000 | 45.371 | ng | | 93 |
| 68) Atrazine | 16.88 | 200 | 193650 | 42.470 | ng | | 95 |
| 69) Pentachlorophenol | 17.07 | 266 | 239099 | 81.478 | ng | | 98 |
| 70) Phenanthrene | 17.46 | 178 | 780005 | 43.127 | ng | | 96 |
| 71) Anthracene | 17.55 | 178 | 791116 | 43.668 | ng | | 98 |
| 72) Carbazole | 17.82 | 167 | 723258 | 43.027 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.37 | 149 | 798674 | 39.864 | ng | # | 98 |
| 74) Fluoranthene | 19.47 | 202 | 1037261 | 44.073 | ng | | 97 |
| 76) Benzidine | 19.64 | 184 | 510699 | 36.926 | ng | | 98 |
| 77) Pyrene | 19.83 | 202 | 1022970 | 41.742 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.71 | 149 | 364441 | 40.953 | ng | # | 96 |
| 80) Benzo(a)anthracene | 21.67 | 228 | 1042920 | 43.902 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.58 | 252 | 242281 | 27.108 | ng | # | 97 |
| 82) Chrysene | 21.73 | 228 | 969280 | 44.564 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 497102 | 39.533 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 22.78 | 149 | 852550 | 39.520 | ng | # | 92 |
| 85) Indeno(1,2,3-cd)pyrene | 28.58 | 276 | 1136105 | 44.599 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 23.89 | 252 | 1004910 | 45.129 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 23.95 | 252 | 968367 | 44.456 | ng | # | 96 |
| 89) Benzo(a)pyrene | 24.76 | 252 | 969239 | 46.257 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 28.65 | 278 | 929192 | 44.923 | ng | # | 97 |
| 91) Benzo(g,h,i)perylene | 29.73 | 276 | 946749 | 46.770 | ng | # | 92 |

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

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