Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG121417\
Data File : BG031579.D
Acq On : 15 Dec 2017 4:37
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Sohil
12/15/2017 6:47:06 PM

Quant Time: Dec 15 08:14:45 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 11 17:25:55 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.10 | 152 | 72545 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.91 | 136 | 312626 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.72 | 164 | 202737 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.47 | 188 | 505053 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.74 | 240 | 554936 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.02 | 264 | 515514 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.65 | 112 | 339269 | 82.89 | ng | | -0.01 |
| 7) Phenol-d6 | 7.26 | 99 | 446668 | 78.62 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.27 | 82 | 417665 | 82.35 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.22 | 330 | 215663 | 90.80 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.35 | 172 | 1152505 | 83.44 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.06 | 244 | 1926689 | 78.99 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.50 | 88 | 75464 | 38.644 | ng | # | 81 |
| 3) Pyridine | 3.90 | 79 | 205300 | 39.929 | ng | | 86 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 89314 | 36.879 | ng | # | 86 |
| 6) Aniline | 7.41 | 93 | 286021 | 38.225 | ng | | 95 |
| 8) 2-Chlorophenol | 7.66 | 128 | 184517 | 40.418 | ng | | 88 |
| 9) Benzaldehyde | 7.23 | 77 | 125151 | 38.001 | ng | | 96 |
| 10) Phenol | 7.29 | 94 | 228781 | 39.197 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.51 | 93 | 186701 | 39.192 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 7.98 | 146 | 216520 | 39.882 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.13 | 146 | 224232 | 39.741 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.45 | 146 | 215100 | 40.020 | ng | | 97 |
| 15) Benzyl Alcohol | 8.34 | 79 | 159978 | 35.994 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62 | 45 | 225401m | 42.117 | ng | | |
| 17) 2-Methylphenol | 8.55 | 107 | 154603 | 38.858 | ng | | 97 |
| 18) Hexachloroethane | 9.18 | 117 | 75416 | 39.652 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.90 | 70 | 153182 | 34.254 | ng | # | 94 |
| 20) 3+4-Methylphenols | 8.88 | 107 | 215735 | 36.399 | ng | | 96 |
| 22) Acetophenone | 8.92 | 105 | 305516 | 40.736 | ng | # | 92 |
| 24) Nitrobenzene | 9.31 | 77 | 212032 | 40.796 | ng | # | 91 |
| 25) Isophorone | 9.83 | 82 | 377365 | 39.369 | ng | # | 90 |
| 26) 2-Nitrophenol | 10.02 | 139 | 114140 | 44.412 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 10.08 | 122 | 163340 | 41.838 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 10.31 | 93 | 255984 | 41.365 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.57 | 162 | 200351 | 43.557 | ng | | 89 |
| 30) 1,2,4-Trichlorobenzene | 10.78 | 180 | 242356 | 41.248 | ng | | 97 |
| 31) Naphthalene | 10.96 | 128 | 601290 | 39.150 | ng | | 98 |
| 32) Benzoic acid | 10.25 | 122 | 64581 | 33.258 | ng | | 90 |
| 33) 4-Chloroaniline | 11.08 | 127 | 266022 | 39.892 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.24 | 225 | 159741 | 40.987 | ng | | 95 |
| 35) Caprolactam | 11.85 | 113 | 71284 | 39.467 | ng | # | 65 |
| 36) 4-Chloro-3-methylphenol | 12.20 | 107 | 205044 | 39.053 | ng | # | 83 |
| 37) 2-Methylnaphthalene | 12.56 | 142 | 472501 | 39.734 | ng | | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 341415 | 43.089 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 12.90 | 237 | 61330 | 34.193 | ng | | 90 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.17 | 196 | 181101 | 44.736 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.26 | 196 | 191660 | 43.951 | ng | # | 92 |
| 45) 1,1'-Biphenyl | 13.56 | 154 | 689310 | 41.396 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.61 | 162 | 505759 | 41.498 | ng | | 95 |
| 47) 2-Nitroaniline | 13.81 | 65 | 136754 | 39.931 | ng | # | 81 |
| 48) Acenaphthylene | 14.45 | 152 | 800328 | 40.811 | ng | | 98 |
| 49) Dimethylphthalate | 14.18 | 163 | 693861 | 41.339 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.30 | 165 | 152251 | 42.438 | ng | # | 77 |
| 51) Acenaphthene | 14.79 | 154 | 507218 | 40.905 | ng | | 99 |
| 52) 3-Nitroaniline | 14.64 | 138 | 152333 | 41.653 | ng | # | 76 |
| 53) 2,4-Dinitrophenol | 14.86 | 184 | 30227 | 26.957 | ng | # | 48 |
| 54) Dibenzofuran | 15.12 | 168 | 791325 | 39.992 | ng | | 98 |
| 55) 4-Nitrophenol | 14.97 | 139 | 95104 | 40.324 | ng | # | 77 |
| 56) 2,4-Dinitrotoluene | 15.10 | 165 | 213400 | 41.879 | ng | # | 72 |
| 57) Fluorene | 15.77 | 166 | 650721 | 41.043 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 174340 | 42.534 | ng | # | 90 |
| 59) Diethylphthalate | 15.53 | 149 | 691104 | 41.078 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.76 | 204 | 389728 | 40.177 | ng | | 92 |
| 61) 4-Nitroaniline | 15.80 | 138 | 162547 | 42.354 | ng | | 89 |
| 62) Azobenzene | 16.05 | 77 | 523422 | 37.557 | ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 15.87 | 198 | 111817 | 37.746 | ng | # | 74 |
| 65) n-Nitrosodiphenylamine | 15.98 | 169 | 625235 | 42.294 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.65 | 248 | 252958 | 43.072 | ng | | 96 |
| 67) Hexachlorobenzene | 16.78 | 284 | 257484 | 42.458 | ng | | 95 |
| 68) Atrazine | 16.92 | 200 | 240248 | 44.446 | ng | | 98 |
| 69) Pentachlorophenol | 17.13 | 266 | 93795 | 35.560 | ng | | 98 |
| 70) Phenanthrene | 17.51 | 178 | 1066494 | 40.433 | ng | | 99 |
| 71) Anthracene | 17.60 | 178 | 1076648 | 41.271 | ng | | 98 |
| 72) Carbazole | 17.87 | 167 | 1009558 | 42.764 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.41 | 149 | 1163954 | 42.694 | ng | | 99 |
| 74) Fluoranthene | 19.52 | 202 | 1374917 | 41.651 | ng | | 97 |
| 76) Benzidine | 19.69 | 184 | 602797 | 46.676 | ng | | 98 |
| 77) Pyrene | 19.88 | 202 | 1394287 | 40.436 | ng | | 96 |
| 79) Butylbenzylphthalate | 20.74 | 149 | 548917 | 45.378 | ng | # | 83 |
| 80) Benzo(a)anthracene | 21.72 | 228 | 1362285 | 40.671 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.63 | 252 | 513984 | 44.090 | ng | | 99 |
| 82) Chrysene | 21.79 | 228 | 1282945 | 39.954 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 753770 | 43.312 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.81 | 149 | 1213503 | 42.272 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 28.80 | 276 | 1272468 | 37.080 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 23.98 | 252 | 1284489m | 41.677 | ng | | |
| 88) Benzo(k)fluoranthene | 24.05 | 252 | 1269047 | 40.348 | ng | | 98 |
| 89) Benzo(a)pyrene | 24.87 | 252 | 1190384 | 40.715 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 28.84 | 278 | 1074065 | 38.417 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 29.97 | 276 | 1037789 | 37.756 | ng | | 97 |

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

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