Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062619\
Data File : BG041463.D
Acq On : 26 Jun 2019 10:19
Operator : HP/JU
Sample : SSTDICC010
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
mohammad
6/28/2019 8:26:44 AM

Quant Time: Jun 26 13:49:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 26 13:18:22 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.03 | 152 | 24526 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.86 | 136 | 97260 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.68 | 164 | 67427 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.43 | 188 | 183826 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.71 | 240 | 200261 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.02 | 264 | 212997 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 24414 | 18.29 | ng | | 0.00 |
| 7) Phenol-d6 | 7.19 | 99 | 35948 | 18.58 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 42923 | 18.56 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.17 | 330 | 20555 | 19.86 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.30 | 172 | 104369 | 21.04 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.03 | 244 | 214962 | 21.27 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.41 | 88 | 5511 | 8.234 | ng | # | 90 |
| 3) Pyridine | 3.84 | 79 | 13289 | 7.484 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.76 | 42 | 7874 | 8.315 | ng | # | 69 |
| 6) Aniline | 7.35 | 93 | 22198 | 8.254 | ng | | 95 |
| 8) 2-Chlorophenol | 7.59 | 128 | 15125 | 9.644 | ng | | 92 |
| 9) Benzaldehyde | 7.18 | 77 | 13852 | 11.193 | ng | | 87 |
| 10) Phenol | 7.22 | 94 | 18763 | 9.018 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.45 | 93 | 17602 | 11.150 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.92 | 146 | 18803 | 9.575 | ng | | 91 |
| 13) 1,4-Dichlorobenzene | 8.07 | 146 | 19675 | 9.808 | ng | | 92 |
| 14) 1,2-Dichlorobenzene | 8.39 | 146 | 19293m | 10.069 | ng | | |
| 15) Benzyl Alcohol | 8.29 | 79 | 10203 | 5.504 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55 | 45 | 22042 | 8.529 | ng | | 98 |
| 17) 2-Methylphenol | 8.48 | 107 | 12861 | 8.646 | ng | | 93 |
| 18) Hexachloroethane | 9.11 | 117 | 8026 | 10.097 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.84 | 70 | 14831 | 9.477 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 17344 | 8.759 | ng | | 91 |
| 22) Acetophenone | 8.87 | 105 | 27652 | 9.770 | ng | # | 93 |
| 24) Nitrobenzene | 9.26 | 77 | 22356 | 9.612 | ng | | 93 |
| 25) Isophorone | 9.77 | 82 | 40987 | 9.660 | ng | | 98 |
| 26) 2-Nitrophenol | 9.98 | 139 | 8176 | 8.671 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 12985 | 9.187 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 20493 | 9.270 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 10.52 | 162 | 16715 | 9.537 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 21373 | 9.522 | ng | | 96 |
| 31) Naphthalene | 10.91 | 128 | 50852 | 9.620 | ng | | 98 |
| 32) Benzoic acid | 10.14 | 122 | 6712m | 7.295 | ng | | |
| 33) 4-Chloroaniline | 11.03 | 127 | 20933 | 9.325 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.16 | 225 | 16890 | 9.480 | ng | | 91 |
| 35) Caprolactam | 11.79 | 113 | 5233 | 8.673 | ng | # | 81 |
| 36) 4-Chloro-3-methylphenol | 12.15 | 107 | 18303 | 9.041 | ng | | 90 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 38003 | 9.761 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.73 | 142 | 35704 | 9.585 | ng | # | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 29098 | 10.451 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.84 | 237 | 12254 | 6.534 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.12 | 196 | 16948 | 9.840 | ng | | 94 |
| 44) 2,4,5-Trichlorophenol | 13.21 | 196 | 15138 | 8.542 | ng | | 94 |
| 46) 1,1'-Biphenyl | 13.51 | 154 | 51290 | 10.062 | ng | | 92 |
| 47) 2-Chloronaphthalene | 13.57 | 162 | 45991 | 10.480 | ng | | 94 |
| 48) 2-Nitroaniline | 13.78 | 65 | 13826 | 8.602 | ng | | 89 |
| 49) Acenaphthylene | 14.41 | 152 | 67598 | 10.151 | ng | | 97 |
| 50) Dimethylphthalate | 14.12 | 163 | 61697 | 10.284 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.26 | 165 | 12975 | 10.257 | ng | | 92 |
| 52) Acenaphthene | 14.75 | 154 | 38242 | 9.779 | ng | | 96 |
| 53) 3-Nitroaniline | 14.60 | 138 | 11557 | 9.273 | ng | | 83 |
| 54) 2,4-Dinitrophenol | 14.83 | 184 | 5439 | 6.712 | ng | | 87 |
| 55) Dibenzofuran | 15.08 | 168 | 69255 | 10.186 | ng | | 97 |
| 56) 4-Nitrophenol | 14.95 | 139 | 6444m | 7.442 | ng | | |
| 57) 2,4-Dinitrotoluene | 15.05 | 165 | 17488 | 9.457 | ng | # | 83 |
| 58) Fluorene | 15.73 | 166 | 56422 | 10.549 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 18894 | 10.310 | ng | # | 97 |
| 60) Diethylphthalate | 15.48 | 149 | 62877 | 10.311 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.71 | 204 | 34841 | 10.012 | ng | | 95 |
| 62) 4-Nitroaniline | 15.77 | 138 | 11484 | 8.615 | ng | | 97 |
| 63) Azobenzene | 16.01 | 77 | 53487 | 9.832 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.82 | 198 | 9219 | 7.726 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 15.93 | 169 | 48724 | 9.982 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.61 | 248 | 23205 | 9.763 | ng | | 98 |
| 68) Hexachlorobenzene | 16.73 | 284 | 25798 | 10.136 | ng | | 99 |
| 69) Atrazine | 16.87 | 200 | 22294 | 14.004 | ng | | 97 |
| 70) Pentachlorophenol | 17.08 | 266 | 9637 | 7.394 | ng | | 89 |
| 71) Phenanthrene | 17.47 | 178 | 98171 | 10.013 | ng | | 99 |
| 72) Anthracene | 17.57 | 178 | 97953 | 10.134 | ng | | 98 |
| 73) Carbazole | 17.84 | 167 | 82026 | 9.701 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.37 | 149 | 106235 | 10.070 | ng | | 99 |
| 75) Fluoranthene | 19.48 | 202 | 133470 | 10.247 | ng | | 99 |
| 77) Benzidine | 19.68 | 184 | 45973 | 9.491 | ng | | 98 |
| 78) Pyrene | 19.85 | 202 | 133387 | 9.876 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.71 | 149 | 51004 | 9.984 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.69 | 228 | 134056 | 9.887 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.61 | 252 | 43606 | 9.161 | ng | | 99 |
| 83) Chrysene | 21.76 | 228 | 132697 | 10.176 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.56 | 149 | 71143 | 10.219 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.78 | 149 | 119647 | 10.158 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.82 | 276 | 152639 | 9.866 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 23.95 | 252 | 130196 | 9.863 | ng | # | 96 |
| 89) Benzo(k)fluoranthene | 24.02 | 252 | 131137 | 10.028 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.85 | 252 | 123767 | 9.928 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 28.88 | 278 | 124215 | 9.897 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 30.01 | 276 | 123895 | 9.989 | ng | # | 94 |

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

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