Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051820\
Data File : BG045413.D
Acq On : 18 May 2020 14:54
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
mohammad
5/19/2020 3:05:54 PM

Quant Time: May 18 16:21:49 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 18 15:47:17 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.97 | 152 | 79103 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.78 | 136 | 333068 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.61 | 164 | 240630 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.36 | 188 | 563176 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.63 | 240 | 485292 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.78 | 264 | 519739 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.58 | 112 | 316799 | 78.27 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 484279 | 84.06 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.14 | 82 | 484168 | 79.27 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.12 | 330 | 234439 | 76.18 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.24 | 172 | 1123730 | 79.21 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.98 | 244 | 1759236 | 84.55 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.42 | 88 | 66071 | 32.917 | ng | # | 93 |
| 3) Pyridine | 3.82 | 79 | 213834 | 38.252 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.73 | 42 | 67400 | 36.846 | ng | | 94 |
| 6) Aniline | 7.31 | 93 | 305560 | 40.630 | ng | | 97 |
| 8) 2-Chlorophenol | 7.56 | 128 | 177712 | 40.037 | ng | | 100 |
| 9) Benzaldehyde | 7.11 | 77 | 147824 | 39.384 | ng | | 95 |
| 10) Phenol | 7.24 | 94 | 244341 | 41.152 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.39 | 93 | 187716 | 40.532 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.86 | 146 | 209114 | 39.203 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.01 | 146 | 206863 | 39.297 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.33 | 146 | 200999 | 39.700 | ng | | 97 |
| 15) Benzyl Alcohol | 8.23 | 79 | 203981 | 42.861 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.50 | 45 | 183354 | 41.708 | ng | | 98 |
| 17) 2-Methylphenol | 8.47 | 107 | 190207 | 42.799 | ng | | 97 |
| 18) Hexachloroethane | 9.06 | 117 | 77420 | 38.401 | ng | | 85 |
| 19) n-Nitroso-di-n-propylamine | 8.78 | 70 | 180092 | 45.206 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.80 | 107 | 249942m | 41.300 | ng | | |
| 22) Acetophenone | 8.80 | 105 | 318693 | 40.371 | ng | # | 92 |
| 24) Nitrobenzene | 9.18 | 77 | 256396 | 39.181 | ng | | 96 |
| 25) Isophorone | 9.70 | 82 | 498118 | 41.411 | ng | | 97 |
| 26) 2-Nitrophenol | 9.89 | 139 | 115810 | 41.370 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 10.00 | 122 | 172963 | 41.659 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.18 | 93 | 259770 | 41.180 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 10.47 | 162 | 200695 | 40.934 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.65 | 180 | 225927 | 38.997 | ng | | 95 |
| 31) Naphthalene | 10.83 | 128 | 626169 | 40.344 | ng | | 99 |
| 32) Benzoic acid | 10.19 | 122 | 142932 | 50.071 | ng | | 96 |
| 33) 4-Chloroaniline | 10.95 | 127 | 278803 | 42.974 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.12 | 225 | 157386 | 38.432 | ng | | 97 |
| 35) Caprolactam | 11.73 | 113 | 75955 | 42.206 | ng | # | 82 |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 238197 | 43.115 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.44 | 142 | 481544 | 41.626 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.66 | 142 | 450532 | 41.229 | ng | | 96 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.81 | 216 | 262991 | 39.129 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.79 | 237 | 152619 | 39.341 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.07 | 196 | 185124 | 39.650 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.17 | 196 | 213721 | 40.057 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.45 | 154 | 592698 | 40.086 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.49 | 162 | 478839 | 39.882 | ng | | 98 |
| 48) 2-Nitroaniline | 13.70 | 65 | 159465 | 40.376 | ng | | 86 |
| 49) Acenaphthylene | 14.34 | 152 | 777909 | 40.337 | ng | | 99 |
| 50) Dimethylphthalate | 14.07 | 163 | 656287 | 39.758 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.19 | 165 | 150639 | 40.442 | ng | | 98 |
| 52) Acenaphthene | 14.68 | 154 | 472753 | 36.621 | ng | | 98 |
| 53) 3-Nitroaniline | 14.54 | 138 | 156439 | 41.315 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 14.73 | 184 | 71301 | 32.687 | ng | | 92 |
| 55) Dibenzofuran | 15.01 | 168 | 765042 | 39.907 | ng | | 97 |
| 56) 4-Nitrophenol | 14.92 | 139 | 108797 | 37.952 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 14.98 | 165 | 212737 | 39.436 | ng | | 98 |
| 58) Fluorene | 15.67 | 166 | 641203 | 40.713 | ng | | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.26 | 232 | 172571 | 36.765 | ng | | 99 |
| 60) Diethylphthalate | 15.44 | 149 | 677786 | 39.450 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.66 | 204 | 363179 | 40.297 | ng | | 99 |
| 62) 4-Nitroaniline | 15.71 | 138 | 159865 | 40.442 | ng | | 93 |
| 63) Azobenzene | 15.95 | 77 | 636801 | 39.749 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.75 | 198 | 123418 | 37.628 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 15.88 | 169 | 559209 | 41.356 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 16.55 | 248 | 253554 | 41.578 | ng | | 94 |
| 68) Hexachlorobenzene | 16.68 | 284 | 263016 | 41.236 | ng | | 99 |
| 69) Atrazine | 16.83 | 200 | 222595 | 39.967 | ng | | 99 |
| 70) Pentachlorophenol | 17.03 | 266 | 154395 | 46.619 | ng | | 96 |
| 71) Phenanthrene | 17.40 | 178 | 997664 | 40.579 | ng | | 99 |
| 72) Anthracene | 17.50 | 178 | 991955 | 40.177 | ng | | 97 |
| 73) Carbazole | 17.77 | 167 | 960261 | 39.900 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.33 | 149 | 1131392 | 39.167 | ng | | 98 |
| 75) Fluoranthene | 19.41 | 202 | 1203696 | 38.492 | ng | | 98 |
| 77) Benzidine | 19.60 | 184 | 548946 | 40.276 | ng | | 99 |
| 78) Pyrene | 19.78 | 202 | 1191042 | 43.054 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.66 | 149 | 491891 | 41.195 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.60 | 228 | 1101948 | 40.761 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.52 | 252 | 425718 | 40.145 | ng | | 100 |
| 83) Chrysene | 21.67 | 228 | 1045763 | 40.231 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.52 | 149 | 663628 | 40.431 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.71 | 149 | 1115696 | 39.576 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.38 | 276 | 1286024 | 37.833 | ng | # | 95 |
| 88) Benzo(b)fluoranthene | 23.79 | 252 | 1118113 | 40.113 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 23.85 | 252 | 1097708 | 41.917 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.64 | 252 | 1048029 | 40.371 | ng | # | 97 |
| 91) Dibenzo(a,h)anthracene | 28.44 | 278 | 1047228 | 40.143 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 29.49 | 276 | 1039069 | 39.825 | ng | | 97 |

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

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