Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG123019\
Data File : BG043865.D
Acq On : 30 Dec 2019 15:51
Operator : JU
Sample : SSTDICC100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC100

Manual Integrations APPROVED
mohammad
12/31/2019 1:48:05 PM

Quant Time: Dec 30 17:19:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 30 14:25:12 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.97 | 152 | 179159 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.77 | 136 | 712923 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.60 | 164 | 444403 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.34 | 188 | 826524 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.60 | 240 | 664541 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.72 | 264 | 781073 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.54 | 112 | 1657919 | 169.19 | ng | | 0.00 |
| 7) Phenol-d6 | 7.14 | 99 | 2273272 | 165.56 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 9.13 | 82 | 2622905 | 203.95 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.09 | 330 | 849198 | 182.22 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.23 | 172 | 4028067 | 162.48 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.96 | 244 | 4004653 | 147.92 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.44 | 88 | 385385 | 90.528 | ng | | 99 |
| 3) Pyridine | 3.83 | 79 | 1089553 | 86.829 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.75 | 42 | 511895 | 91.224 | ng | | 99 |
| 6) Aniline | 7.30 | 93 | 1572963 | 87.393 | ng | | 96 |
| 8) 2-Chlorophenol | 7.53 | 128 | 1003072 | 87.285 | ng | | 96 |
| 9) Benzaldehyde | 7.10 | 77 | 806815 | 100.383 | ng | | 97 |
| 10) Phenol | 7.16 | 94 | 1222370 | 86.541 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.39 | 93 | 1066582 | 87.632 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.86 | 146 | 1168422 | 86.844 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.00 | 146 | 1160189 | 87.462 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.33 | 146 | 1105493 | 86.705 | ng | | 98 |
| 15) Benzyl Alcohol | 8.21 | 79 | 982471 | 90.943 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.50 | 45 | 1669200 | 88.493 | ng | | 98 |
| 17) 2-Methylphenol | 8.41 | 107 | 922741 | 90.414 | ng | | 96 |
| 18) Hexachloroethane | 9.05 | 117 | 467176 | 90.145 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.79 | 70 | 908390 | 89.023 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.75 | 107 | 1264534 | 88.847 | ng | | 97 |
| 22) Acetophenone | 8.79 | 105 | 1571114 | 88.554 | ng | # | 93 |
| 24) Nitrobenzene | 9.17 | 77 | 1222347 | 92.673 | ng | | 97 |
| 25) Isophorone | 9.70 | 82 | 2271636 | 90.877 | ng | | 95 |
| 26) 2-Nitrophenol | 9.88 | 139 | 640045 | 102.500 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.95 | 122 | 890237 | 94.746 | ng | | 100 |
| 28) bis(2-Chloroethoxy)methane | 10.18 | 93 | 1481831 | 88.870 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.42 | 162 | 1049126 | 93.726 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.63 | 180 | 1154453 | 91.814 | ng | | 97 |
| 31) Naphthalene | 10.82 | 128 | 2872473 | 83.273 | ng | # | 90 |
| 32) Benzoic acid | 10.15 | 122 | 815901m | 112.503 | ng | | |
| 33) 4-Chloroaniline | 10.92 | 127 | 1489935 | 90.684 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.12 | 225 | 723503 | 94.283 | ng | | 100 |
| 35) Caprolactam | 11.73 | 113 | 396291m | 95.231 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.06 | 107 | 1101327 | 92.042 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.43 | 142 | 2232015 | 85.951 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.64 | 142 | 2124814 | 86.325 | ng | # | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.80 | 216 | 1205026 | 92.607 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.78 | 237 | 692025 | 101.945 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.03 | 196 | 859142 | 95.717 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.11 | 196 | 877627 | 95.007 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.44 | 154 | 2621224 | 82.126 | ng | | 84 |
| 47) 2-Chloronaphthalene | 13.48 | 162 | 2215125 | 86.137 | ng | # | 88 |
| 48) 2-Nitroaniline | 13.67 | 65 | 794257 | 96.040 | ng | | 97 |
| 49) Acenaphthylene | 14.32 | 152 | 3012454 | 81.548 | ng | # | 86 |
| 50) Dimethylphthalate | 14.07 | 163 | 2563815 | 81.115 | ng | # | 93 |
| 51) 2,6-Dinitrotoluene | 14.17 | 165 | 668311 | 93.675 | ng | | 98 |
| 52) Acenaphthene | 14.66 | 154 | 2323553 | 89.648 | ng | | 94 |
| 53) 3-Nitroaniline | 14.50 | 138 | 734644 | 90.601 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.70 | 184 | 368500 | 114.902 | ng | | 97 |
| 55) Dibenzofuran | 15.00 | 168 | 2818989 | 78.849 | ng | # | 83 |
| 56) 4-Nitrophenol | 14.81 | 139 | 576469 | 92.687 | ng | | 100 |
| 57) 2,4-Dinitrotoluene | 14.96 | 165 | 884613 | 91.116 | ng | | 96 |
| 58) Fluorene | 15.65 | 166 | 2283219 | 80.610 | ng | # | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.22 | 232 | 732025 | 92.124 | ng | | 99 |
| 60) Diethylphthalate | 15.43 | 149 | 2527328 | 79.936 | ng | # | 90 |
| 61) 4-Chlorophenyl-phenylether | 15.64 | 204 | 1329998 | 86.495 | ng | | 95 |
| 62) 4-Nitroaniline | 15.67 | 138 | 695532 | 86.933 | ng | | 98 |
| 63) Azobenzene | 15.93 | 77 | 2387254 | 81.498 | ng | | 88 |
| 65) 4,6-Dinitro-2-methylphenol | 15.72 | 198 | 445585 | 111.060 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.86 | 169 | 2136040 | 87.516 | ng | | 91 |
| 67) 4-Bromophenyl-phenylether | 16.53 | 248 | 885070 | 95.268 | ng | | 98 |
| 68) Hexachlorobenzene | 16.66 | 284 | 940066 | 93.775 | ng | | 97 |
| 69) Atrazine | 16.80 | 200 | 613416 | 77.368 | ng | | 98 |
| 70) Pentachlorophenol | 16.99 | 266 | 561567 | 101.566 | ng | | 99 |
| 71) Phenanthrene | 17.39 | 178 | 3110320 | 78.410 | ng | # | 82 |
| 72) Anthracene | 17.48 | 178 | 3070727 | 78.399 | ng | # | 83 |
| 73) Carbazole | 17.74 | 167 | 2859080 | 78.926 | ng | # | 88 |
| 77) Benzidine | 19.56 | 184 | 1314143 | 76.758 | ng | # | 91 |
| 80) Butylbenzylphthalate | 20.65 | 149 | 1824026 | 88.425 | ng | # | 93 |
| 81) Benzo(a)anthracene | 21.58 | 228 | 3392662 | 82.290 | ng | # | 83 |
| 82) 3,3'-Dichlorobenzidine | 21.49 | 252 | 1398680 | 85.437 | ng | | 94 |
| 83) Chrysene | 21.64 | 228 | 3229305 | 82.508 | ng | # | 82 |
| 84) Bis(2-ethylhexyl)phthalate | 21.50 | 149 | 2360670 | 83.093 | ng | # | 87 |
| 85) Di-n-octyl phthalate | 22.70 | 149 | 3937732 | 82.206 | ng | # | 92 |
| 86) Indeno(1,2,3-cd)pyrene | 28.30 | 276 | 5132787 | 96.465 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 23.74 | 252 | 4035171 | 87.313 | ng | # | 91 |
| 89) Benzo(k)fluoranthene | 23.81 | 252 | 3665060 | 83.660 | ng | # | 90 |
| 90) Benzo(a)pyrene | 24.59 | 252 | 3843548 | 88.245 | ng | | 93 |
| 91) Dibenzo(a,h)anthracene | 28.36 | 278 | 4000404 | 91.473 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 29.41 | 276 | 4091845 | 94.147 | ng | | 99 |

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

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