Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
Data File : BM020145.D
Acq On : 06 May 2019 20:50
Operator : JU/SJ
Sample : K2673-16MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SP-02-COMPMSD

Manual Integrations APPROVED
mohammad
5/7/2019 3:11:47 PM

Quant Time: May 07 07:02:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:58:37 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.79 | 152 | 175423 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.59 | 136 | 587049 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.44 | 164 | 309548 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.19 | 188 | 682167 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.37 | 240 | 714542 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.67 | 264 | 841964 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.38 | 112 | 1797356 | 167.48 | ng | | 0.00 |
| 7) Phenol-d6 | 6.97 | 99 | 2435555 | 166.12 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 8.96 | 82 | 1633832 | 109.88 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.93 | 330 | 789994 | 164.42 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 13.06 | 172 | 2509620 | 99.75 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.81 | 244 | 3425840 | 83.63 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.30 | 88 | 203242 | 38.614 | ng | | 93 |
| 3) Pyridine | 3.70 | 79 | 625453 | 46.463 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.62 | 42 | 222927 | 51.643 | ng | # | 77 |
| 6) Aniline | 7.13 | 93 | 545805 | 29.574 | ng | | 100 |
| 8) 2-Chlorophenol | 7.36 | 128 | 632839 | 54.156 | ng | | 98 |
| 9) Benzaldehyde | 6.95 | 77 | 447493 | 40.327 | ng | | 97 |
| 10) Phenol | 7.00 | 94 | 892190 | 56.527 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.23 | 93 | 647083 | 56.407 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.68 | 146 | 684714 | 50.362 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.83 | 146 | 705079 | 51.336 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.15 | 146 | 665688 | 50.874 | ng | | 99 |
| 15) Benzyl Alcohol | 8.04 | 79 | 695519 | 49.197 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.32 | 45 | 469964 | 49.406 | ng | | 98 |
| 17) 2-Methylphenol | 8.24 | 107 | 545079 | 53.648 | ng | | 95 |
| 18) Hexachloroethane | 8.86 | 117 | 161511 | 28.203 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.60 | 70 | 610816 | 48.696 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.57 | 107 | 717261 | 53.117 | ng | | 97 |
| 22) Acetophenone | 8.62 | 105 | 992756 | 61.877 | ng | # | 97 |
| 24) Nitrobenzene | 9.00 | 77 | 857008 | 55.588 | ng | | 96 |
| 25) Isophorone | 9.52 | 82 | 1472055 | 57.408 | ng | | 99 |
| 26) 2-Nitrophenol | 9.71 | 139 | 182632 | 39.238 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 9.76 | 122 | 534431 | 68.968 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.00 | 93 | 818084 | 58.578 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.24 | 162 | 580144 | 59.373 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.45 | 180 | 690707 | 57.449 | ng | | 98 |
| 31) Naphthalene | 10.64 | 128 | 1731462 | 56.836 | ng | | 99 |
| 32) Benzoic acid | 9.86 | 122 | 58278 | 15.725 | ng | # | 89 |
| 33) 4-Chloroaniline | 10.76 | 127 | 412837 | 32.925 | ng | | 97 |
| 34) Hexachlorobutadiene | 10.90 | 225 | 454891 | 53.484 | ng | | 97 |
| 35) Caprolactam | 11.56 | 113 | 156141m | 53.442 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.88 | 107 | 595698 | 51.878 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.25 | 142 | 1203060 | 54.169 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.47 | 142 | 1140142 | 52.498 | ng | | 96 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.62 | 216 | 738845 | 61.008 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.59 | 237 | 29731 | 4.169 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 12.87 | 196 | 470367 | 68.339 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 12.94 | 196 | 491309 | 63.897 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.27 | 154 | 1504591 | 59.053 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.32 | 162 | 1188081 | 58.403 | ng | | 99 |
| 48) 2-Nitroaniline | 13.53 | 65 | 479526 | 66.212 | ng | | 93 |
| 49) Acenaphthylene | 14.16 | 152 | 1853866 | 56.943 | ng | | 99 |
| 50) Dimethylphthalate | 13.90 | 163 | 1814792 | 68.979 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.03 | 165 | 238395 | 43.022 | ng | | 92 |
| 52) Acenaphthene | 14.50 | 154 | 1044893 | 55.967 | ng | | 99 |
| 53) 3-Nitroaniline | 14.36 | 138 | 306755 | 59.646 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.56 | 184 | 2316 | 9.218 | ng | | 91 |
| 55) Dibenzofuran | 14.84 | 168 | 1710199 | 54.307 | ng | | 99 |
| 56) 4-Nitrophenol | 14.67 | 139 | 455001 | 103.692 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 14.82 | 165 | 281702 | 37.413 | ng | | 94 |
| 58) Fluorene | 15.49 | 166 | 1359226 | 52.555 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.06 | 232 | 442047 | 60.497 | ng | | 97 |
| 60) Diethylphthalate | 15.26 | 149 | 1418418 | 53.513 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 15.48 | 204 | 776006 | 52.955 | ng | | 97 |
| 62) 4-Nitroaniline | 15.53 | 138 | 337013 | 59.378 | ng | | 94 |
| 63) Azobenzene | 15.77 | 77 | 1498427 | 47.919 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.57 | 198 | 2776 | 7.848 | ng | # | 50 |
| 66) n-Nitrosodiphenylamine | 15.70 | 169 | 1187144 | 59.141 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.38 | 248 | 468271 | 55.979 | ng | | 95 |
| 68) Hexachlorobenzene | 16.49 | 284 | 533298 | 55.401 | ng | | 96 |
| 69) Atrazine | 16.65 | 200 | 345649 | 44.063 | ng | | 97 |
| 70) Pentachlorophenol | 16.83 | 266 | 688879 | 125.076 | ng | | 98 |
| 71) Phenanthrene | 17.23 | 178 | 2290525 | 60.827 | ng | | 99 |
| 72) Anthracene | 17.32 | 178 | 2254549 | 59.883 | ng | | 100 |
| 73) Carbazole | 17.60 | 167 | 1864605 | 54.887 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.14 | 149 | 2161635 | 52.874 | ng | | 98 |
| 75) Fluoranthene | 19.24 | 202 | 3224321 | 67.674 | ng | | 100 |
| 77) Benzidine | 19.44 | 184 | 81862 | 3.583 | ng | # | 93 |
| 78) Pyrene | 19.61 | 202 | 3245219 | 67.646 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.50 | 149 | 1022501 | 58.611 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.36 | 228 | 3153526 | 62.931 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.29 | 252 | 753687 | 39.407 | ng | | 99 |
| 83) Chrysene | 21.41 | 228 | 2932654 | 60.344 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 2526783 | 93.339 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.17 | 149 | 2807858 | 62.405 | ng | # | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 26.03 | 276 | 3725212 | 64.442 | ng | # | 100 |
| 88) Benzo(b)fluoranthene | 22.98 | 252 | 3553047 | 63.905 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.03 | 252 | 2977074 | 58.700 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.57 | 252 | 3232316 | 64.004 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 26.03 | 278 | 2900874 | 55.234 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 26.75 | 276 | 3145142 | 63.076 | ng | | 99 |

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

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