Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071118\
Data File : BM015896.D
Acq On : 11 Jul 2018 19:37
Operator : SJ/JU
Sample : PB111002BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB111002BS

Manual Integrations APPROVED
Sohil
7/12/2018 6:46:55 PM

Quant Time: Jul 12 04:02:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 05 17:39:50 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.29 | 152 | 90513 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 11.12 | 136 | 361109 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.92 | 164 | 184398 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.64 | 188 | 349831 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 21.75 | 240 | 299160 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 24.14 | 264 | 287879 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.80 | 112 | 658421 | 124.75 | ng | | -0.02 |
| 7) Phenol-d6 | 7.45 | 99 | 832062 | 115.16 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.48 | 82 | 581812 | 78.61 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.40 | 330 | 261513 | 108.54 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.54 | 172 | 1165943 | 78.50 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.20 | 244 | 1309790 | 81.21 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.56 | 88 | 67348 | 30.854 | ng | # | 100 |
| 3) Pyridine | 4.00 | 79 | 174509 | 30.297 | ng | # | 75 |
| 4) n-Nitrosodimethylamine | 3.91 | 42 | 162178 | 36.160 | ng | # | 41 |
| 6) Aniline | 7.62 | 93 | 203920 | 23.279 | ng | | 91 |
| 8) 2-Chlorophenol | 7.85 | 128 | 237300 | 37.463 | ng | | 96 |
| 9) Benzaldehyde | 7.43 | 77 | 143309 | 31.469 | ng | | 90 |
| 10) Phenol | 7.47 | 94 | 273443 | 37.664 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.71 | 93 | 199558 | 33.790 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 8.17 | 146 | 250867 | 35.721 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 8.33 | 146 | 253725 | 34.936 | ng | # | 95 |
| 14) 1,2-Dichlorobenzene | 8.65 | 146 | 246306 | 35.068 | ng | # | 94 |
| 15) Benzyl Alcohol | 8.55 | 79 | 206239 | 32.878 | ng | | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.81 | 45 | 311585 | 48.308 | ng | | 98 |
| 17) 2-Methylphenol | 8.74 | 107 | 186291 | 37.037 | ng | # | 86 |
| 18) Hexachloroethane | 9.37 | 117 | 108695 | 37.850 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 9.10 | 70 | 178081 | 30.667 | ng | # | 76 |
| 20) 3+4-Methylphenols | 9.07 | 107 | 243899 | 34.909 | ng | | 88 |
| 22) Acetophenone | 9.13 | 105 | 337531 | 35.881 | ng | # | 87 |
| 24) Nitrobenzene | 9.52 | 77 | 282087 | 39.155 | ng | | 97 |
| 25) Isophorone | 10.04 | 82 | 450193 | 39.853 | ng | | 93 |
| 26) 2-Nitrophenol | 10.23 | 139 | 119546 | 38.535 | ng | # | 57 |
| 27) 2,4-Dimethylphenol | 10.28 | 122 | 200677 | 42.581 | ng | # | 85 |
| 28) bis(2-Chloroethoxy)methane | 10.52 | 93 | 270871 | 36.805 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.77 | 162 | 209841 | 40.203 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.98 | 180 | 228816 | 37.743 | ng | | 97 |
| 31) Naphthalene | 11.17 | 128 | 697694 | 37.266 | ng | | 99 |
| 32) Benzoic acid | 10.45 | 122 | 120070m | 28.776 | ng | | |
| 33) 4-Chloroaniline | 11.29 | 127 | 99984 | 13.099 | ng | # | 91 |
| 34) Hexachlorobutadiene | 11.43 | 225 | 149695 | 36.998 | ng | | 97 |
| 35) Caprolactam | 12.09 | 113 | 51838m | 29.946 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.39 | 107 | 215451 | 35.974 | ng | | 88 |
| 37) 2-Methylnaphthalene | 12.76 | 142 | 503791 | 37.827 | ng | # | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.12 | 216 | 236965 | 40.039 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 13.08 | 237 | 263982 | 93.688 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.36 | 196 | 150121 | 40.128 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.44 | 196 | 152518 | 37.740 | ng | # | 84 |
| 45) 1,1'-Biphenyl | 13.75 | 154 | 616068 | 38.642 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.80 | 162 | 473993 | 39.764 | ng | # | 91 |
| 47) 2-Nitroaniline | 14.02 | 65 | 151042 | 36.335 | ng | # | 79 |
| 48) Acenaphthylene | 14.64 | 152 | 749389 | 38.646 | ng | | 99 |
| 49) Dimethylphthalate | 14.37 | 163 | 574622 | 35.334 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.50 | 165 | 117842 | 37.164 | ng | # | 62 |
| 51) Acenaphthene | 14.98 | 154 | 434869 | 36.040 | ng | | 98 |
| 52) 3-Nitroaniline | 14.83 | 138 | 74642 | 21.507 | ng | # | 75 |
| 53) 2,4-Dinitrophenol | 15.05 | 184 | 98552 | 63.674 | ng | # | 81 |
| 54) Dibenzofuran | 15.31 | 168 | 686032 | 36.897 | ng | # | 86 |
| 55) 4-Nitrophenol | 15.13 | 139 | 166458 | 64.987 | ng | # | 77 |
| 56) 2,4-Dinitrotoluene | 15.29 | 165 | 158188 | 34.555 | ng | | 100 |
| 57) Fluorene | 15.95 | 166 | 539927 | 35.214 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.53 | 232 | 125023 | 36.661 | ng | # | 100 |
| 59) Diethylphthalate | 15.71 | 149 | 586497 | 33.654 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 15.93 | 204 | 266551 | 33.785 | ng | # | 86 |
| 61) 4-Nitroaniline | 15.99 | 138 | 101834 | 28.284 | ng | # | 32 |
| 62) Azobenzene | 16.23 | 77 | 638442 | 39.082 | ng | | 79 |
| 64) 4,6-Dinitro-2-methylphenol | 16.05 | 198 | 69948 | 32.890 | ng | | 87 |
| 65) n-Nitrosodiphenylamine | 16.15 | 169 | 446560 | 37.253 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.83 | 248 | 153894 | 39.400 | ng | # | 83 |
| 67) Hexachlorobenzene | 16.94 | 284 | 168773 | 38.668 | ng | # | 72 |
| 68) Atrazine | 17.09 | 200 | 151173 | 38.341 | ng | | 98 |
| 69) Pentachlorophenol | 17.29 | 266 | 168616 | 62.432 | ng | | 99 |
| 70) Phenanthrene | 17.68 | 178 | 750528 | 37.500 | ng | | 98 |
| 71) Anthracene | 17.77 | 178 | 763006 | 38.820 | ng | | 99 |
| 72) Carbazole | 18.04 | 167 | 653275 | 35.668 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.56 | 149 | 880179 | 35.654 | ng | # | 97 |
| 74) Fluoranthene | 19.66 | 202 | 768917 | 33.419 | ng | | 99 |
| 76) Benzidine | 19.84 | 184 | 355195 | 40.524 | ng | | 98 |
| 77) Pyrene | 20.02 | 202 | 773303 | 41.497 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.87 | 149 | 356936 | 39.624 | ng | # | 82 |
| 80) Benzo(a)anthracene | 21.73 | 228 | 717116 | 37.808 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.66 | 252 | 173800 | 25.503 | ng | | 99 |
| 82) Chrysene | 21.79 | 228 | 669981 | 37.918 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 21.62 | 149 | 510490 | 38.354 | ng | | 94 |
| 84) Di-n-octyl phthalate | 22.53 | 149 | 820354 | 37.800 | ng | # | 89 |
| 85) Indeno(1,2,3-cd)pyrene | 26.61 | 276 | 810590 | 49.378 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 23.41 | 252 | 688411 | 35.817 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 23.46 | 252 | 663086 | 35.515 | ng | | 98 |
| 89) Benzo(a)pyrene | 24.04 | 252 | 655917 | 38.768 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 26.61 | 278 | 692748 | 45.508 | ng | # | 97 |
| 91) Benzo(g,h,i)perylene | 27.37 | 276 | 665975 | 49.792 | ng | # | 94 |

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

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