Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070518\
Data File : BM015790.D
Acq On : 06 Jul 2018 07:43
Operator : SJ/JU
Sample : PB110755BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB110755BS

Manual Integrations APPROVED
Sohil
7/6/2018 5:21:59 PM

Quant Time: Jul 06 08:52:40 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 | 8.31 | 152 | 126514 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.14 | 136 | 539019 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.93 | 164 | 313100 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.66 | 188 | 675761 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.76 | 240 | 634543 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.17 | 264 | 480407 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.81 | 112 | 759539 | 102.96 | ng | | 0.00 |
| 7) Phenol-d6 | 7.46 | 99 | 1001649 | 99.18 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.50 | 82 | 1084029 | 98.12 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.41 | 330 | 430785 | 105.30 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.56 | 172 | 2550546 | 101.13 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.22 | 244 | 3828786 | 111.92 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.56 | 88 | 102192 | 33.495 | ng | # | 100 |
| 3) Pyridine | 4.00 | 79 | 277153 | 34.425 | ng | # | 79 |
| 4) n-Nitrosodimethylamine | 3.92 | 42 | 261740 | 41.752 | ng | # | 42 |
| 6) Aniline | 7.63 | 93 | 388473 | 31.727 | ng | | 94 |
| 8) 2-Chlorophenol | 7.87 | 128 | 438556 | 49.533 | ng | | 95 |
| 9) Benzaldehyde | 7.45 | 77 | 211612 | 33.244 | ng | | 90 |
| 10) Phenol | 7.49 | 94 | 507355 | 49.997 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.73 | 93 | 352733 | 42.730 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 8.19 | 146 | 426315 | 43.429 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 8.35 | 146 | 437361 | 43.085 | ng | # | 94 |
| 14) 1,2-Dichlorobenzene | 8.67 | 146 | 434282 | 44.236 | ng | | 94 |
| 15) Benzyl Alcohol | 8.56 | 79 | 406523 | 46.365 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.84 | 45 | 565509 | 62.727 | ng | | 99 |
| 17) 2-Methylphenol | 8.76 | 107 | 359606 | 51.150 | ng | # | 86 |
| 18) Hexachloroethane | 9.39 | 117 | 184421 | 45.946 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 9.13 | 70 | 339513 | 41.830 | ng | # | 78 |
| 20) 3+4-Methylphenols | 9.09 | 107 | 481852 | 49.342 | ng | | 89 |
| 22) Acetophenone | 9.15 | 105 | 634534 | 45.190 | ng | # | 87 |
| 24) Nitrobenzene | 9.55 | 77 | 520294 | 48.382 | ng | | 97 |
| 25) Isophorone | 10.06 | 82 | 884939 | 52.481 | ng | | 95 |
| 26) 2-Nitrophenol | 10.26 | 139 | 233302 | 50.382 | ng | # | 63 |
| 27) 2,4-Dimethylphenol | 10.30 | 122 | 406765 | 57.823 | ng | # | 86 |
| 28) bis(2-Chloroethoxy)methane | 10.54 | 93 | 529022 | 48.156 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.79 | 162 | 432440 | 55.504 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 11.00 | 180 | 434239 | 47.986 | ng | | 97 |
| 31) Naphthalene | 11.19 | 128 | 1329743 | 47.583 | ng | | 99 |
| 32) Benzoic acid | 10.50 | 122 | 277989m | 44.633 | ng | | |
| 33) 4-Chloroaniline | 11.30 | 127 | 213391 | 18.729 | ng | # | 89 |
| 34) Hexachlorobutadiene | 11.45 | 225 | 284673 | 47.136 | ng | | 97 |
| 35) Caprolactam | 12.13 | 113 | 124650m | 48.241 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.42 | 107 | 476945 | 53.351 | ng | | 89 |
| 37) 2-Methylnaphthalene | 12.78 | 142 | 1029153 | 51.769 | ng | # | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.14 | 216 | 511017 | 50.852 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 13.10 | 237 | 608753 | 123.849 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.38 | 196 | 342691 | 53.948 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.46 | 196 | 361230 | 52.643 | ng | # | 86 |
| 45) 1,1'-Biphenyl | 13.77 | 154 | 1321330 | 48.811 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.82 | 162 | 1014311 | 50.114 | ng | # | 91 |
| 47) 2-Nitroaniline | 14.03 | 65 | 348736 | 49.408 | ng | | 83 |
| 48) Acenaphthylene | 14.66 | 152 | 1669320 | 50.700 | ng | | 99 |
| 49) Dimethylphthalate | 14.39 | 163 | 1328494 | 48.111 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.52 | 165 | 279628 | 51.937 | ng | # | 76 |
| 51) Acenaphthene | 15.00 | 154 | 967271 | 47.211 | ng | | 97 |
| 52) 3-Nitroaniline | 14.85 | 138 | 160763 | 27.280 | ng | # | 81 |
| 53) 2,4-Dinitrophenol | 15.07 | 184 | 281330 | 102.282 | ng | | 94 |
| 54) Dibenzofuran | 15.33 | 168 | 1572434 | 49.807 | ng | # | 88 |
| 55) 4-Nitrophenol | 15.16 | 139 | 456034 | 104.855 | ng | # | 69 |
| 56) 2,4-Dinitrotoluene | 15.30 | 165 | 399319 | 51.373 | ng | | 95 |
| 57) Fluorene | 15.97 | 166 | 1286924 | 49.432 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.55 | 232 | 320697 | 55.384 | ng | # | 100 |
| 59) Diethylphthalate | 15.73 | 149 | 1413604 | 47.771 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.95 | 204 | 651936 | 48.665 | ng | | 90 |
| 61) 4-Nitroaniline | 16.01 | 138 | 265925 | 43.499 | ng | # | 39 |
| 62) Azobenzene | 16.25 | 77 | 1465804 | 52.845 | ng | | 81 |
| 64) 4,6-Dinitro-2-methylphenol | 16.07 | 198 | 196856 | 47.919 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 16.17 | 169 | 1100834 | 47.542 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.84 | 248 | 391388 | 51.874 | ng | # | 83 |
| 67) Hexachlorobenzene | 16.96 | 284 | 423770 | 50.263 | ng | # | 77 |
| 68) Atrazine | 17.10 | 200 | 400133 | 52.536 | ng | | 99 |
| 69) Pentachlorophenol | 17.31 | 266 | 476342 | 91.305 | ng | | 98 |
| 70) Phenanthrene | 17.70 | 178 | 1916234 | 49.565 | ng | | 99 |
| 71) Anthracene | 17.79 | 178 | 1959675 | 51.615 | ng | | 99 |
| 72) Carbazole | 18.06 | 167 | 1729650 | 48.888 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.57 | 149 | 2343521 | 49.144 | ng | # | 98 |
| 74) Fluoranthene | 19.68 | 202 | 2127660 | 47.872 | ng | | 99 |
| 76) Benzidine | 19.86 | 184 | 754568 | 40.587 | ng | | 99 |
| 77) Pyrene | 20.04 | 202 | 2137692 | 54.082 | ng | | 100 |
| 79) Butylbenzylphthalate | 20.89 | 149 | 1013677 | 53.053 | ng | # | 86 |
| 80) Benzo(a)anthracene | 21.75 | 228 | 2006596 | 49.876 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.67 | 252 | 362958 | 25.109 | ng | | 98 |
| 82) Chrysene | 21.80 | 228 | 1845955 | 49.255 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 1432688 | 50.748 | ng | | 96 |
| 84) Di-n-octyl phthalate | 22.55 | 149 | 2224000 | 48.313 | ng | # | 91 |
| 85) Indeno(1,2,3-cd)pyrene | 26.65 | 276 | 1476194 | 42.395 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 23.44 | 252 | 1666473 | 51.957 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 23.49 | 252 | 1577627 | 50.635 | ng | | 99 |
| 89) Benzo(a)pyrene | 24.07 | 252 | 1472802 | 52.164 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 26.65 | 278 | 1259203 | 49.569 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 27.41 | 276 | 1140138 | 51.081 | ng | # | 94 |

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

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