Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082218\
Data File : BM016541.D
Acq On : 23 Aug 2018 04:48
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Sohil
8/23/2018 6:39:45 PM

Quant Time: Aug 23 07:51:20 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 21 16:31:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.02 | 152 | 123560 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.82 | 136 | 518456 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.66 | 164 | 435362 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.40 | 188 | 1439873 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.54 | 240 | 2233507 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.83 | 264 | 2319478 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.55 | 112 | 452687 | 71.79 | ng | | 0.00 |
| 7) Phenol-d6 | 7.19 | 99 | 625523 | 74.97 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.20 | 82 | 963679 | 84.87 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.15 | 330 | 995923 | 81.83 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.27 | 172 | 3930809 | 86.79 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.99 | 244 | 9717096 | 92.08 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.37 | 88 | 133644 | 38.365 | ng | # | 100 |
| 3) Pyridine | 3.80 | 79 | 251806 | 34.743 | ng | # | 82 |
| 4) n-Nitrosodimethylamine | 3.73 | 42 | 130700 | 40.479 | ng | # | 63 |
| 6) Aniline | 7.35 | 93 | 347966 | 37.268 | ng | # | 89 |
| 8) 2-Chlorophenol | 7.58 | 128 | 290916 | 38.774 | ng | | 95 |
| 9) Benzaldehyde | 7.17 | 77 | 233552 | 40.333 | ng | # | 82 |
| 10) Phenol | 7.22 | 94 | 306743 | 37.174 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.45 | 93 | 225936 | 36.514 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 7.90 | 146 | 383095 | 38.512 | ng | # | 85 |
| 13) 1,4-Dichlorobenzene | 8.05 | 146 | 387008 | 37.910 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.36 | 146 | 384334 | 38.321 | ng | # | 93 |
| 15) Benzyl Alcohol | 8.28 | 79 | 284028 | 36.656 | ng | # | 75 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55 | 45 | 150137 | 35.238 | ng | # | 43 |
| 17) 2-Methylphenol | 8.47 | 107 | 223784 | 37.451 | ng | # | 75 |
| 18) Hexachloroethane | 9.08 | 117 | 203203 | 43.207 | ng | # | 39 |
| 19) n-Nitroso-di-n-propylamine | 8.83 | 70 | 257536 | 39.368 | ng | # | 87 |
| 20) 3+4-Methylphenols | 8.80 | 107 | 309390 | 37.448 | ng | # | 79 |
| 22) Acetophenone | 8.86 | 105 | 468563 | 37.532 | ng | # | 97 |
| 24) Nitrobenzene | 9.25 | 77 | 434824 | 38.326 | ng | | 91 |
| 25) Isophorone | 9.76 | 82 | 588840 | 38.801 | ng | # | 95 |
| 26) 2-Nitrophenol | 9.95 | 139 | 179028 | 36.911 | ng | # | 44 |
| 27) 2,4-Dimethylphenol | 10.00 | 122 | 230135 | 36.409 | ng | # | 66 |
| 28) bis(2-Chloroethoxy)methane | 10.24 | 93 | 332737 | 36.729 | ng | # | 98 |
| 29) 2,4-Dichlorophenol | 10.48 | 162 | 427771 | 45.219 | ng | | 89 |
| 30) 1,2,4-Trichlorobenzene | 10.68 | 180 | 710284 | 49.482 | ng | # | 96 |
| 31) Naphthalene | 10.87 | 128 | 948730 | 38.408 | ng | | 97 |
| 32) Benzoic acid | 10.22 | 122 | 172305 | 32.581 | ng | # | 73 |
| 33) 4-Chloroaniline | 11.00 | 127 | 404327 | 38.894 | ng | # | 86 |
| 34) Hexachlorobutadiene | 11.12 | 225 | 697174 | 50.886 | ng | | 96 |
| 35) Caprolactam | 11.84 | 113 | 84475 | 37.214 | ng | # | 55 |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 351077 | 38.603 | ng | | 90 |
| 37) 2-Methylnaphthalene | 12.47 | 142 | 779593 | 40.315 | ng | # | 87 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 1041884 | 42.374 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.80 | 237 | 402894 | 44.758 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.10 | 196 | 632463 | 43.015 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 13.18 | 196 | 633918m | 44.137 | ng | | |
| 45) 1,1'-Biphenyl | 13.49 | 154 | 1326976 | 34.761 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.54 | 162 | 1128293 | 36.380 | ng | | 98 |
| 47) 2-Nitroaniline | 13.77 | 65 | 269862 | 32.668 | ng | | 87 |
| 48) Acenaphthylene | 14.38 | 152 | 1550210 | 35.410 | ng | | 99 |
| 49) Dimethylphthalate | 14.12 | 163 | 1586232 | 37.924 | ng | # | 96 |
| 50) 2,6-Dinitrotoluene | 14.26 | 165 | 309284 | 37.911 | ng | # | 76 |
| 51) Acenaphthene | 14.72 | 154 | 947786 | 35.239 | ng | | 96 |
| 52) 3-Nitroaniline | 14.60 | 138 | 235757 | 31.760 | ng | # | 78 |
| 53) 2,4-Dinitrophenol | 14.83 | 184 | 124989 | 30.614 | ng | # | 66 |
| 54) Dibenzofuran | 15.06 | 168 | 2042283 | 39.666 | ng | | 95 |
| 55) 4-Nitrophenol | 14.92 | 139 | 145808 | 30.796 | ng | # | 84 |
| 56) 2,4-Dinitrotoluene | 15.06 | 165 | 518190 | 38.091 | ng | # | 96 |
| 57) Fluorene | 15.70 | 166 | 1529226 | 39.317 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 607855 | 44.034 | ng | # | 100 |
| 59) Diethylphthalate | 15.47 | 149 | 1563114 | 35.842 | ng | # | 93 |
| 60) 4-Chlorophenyl-phenylether | 15.69 | 204 | 1425126 | 43.692 | ng | # | 84 |
| 61) 4-Nitroaniline | 15.77 | 138 | 244169 | 33.656 | ng | # | 1 |
| 62) Azobenzene | 15.99 | 77 | 1694996 | 36.490 | ng | | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 15.83 | 198 | 374596 | 34.239 | ng | # | 56 |
| 65) n-Nitrosodiphenylamine | 15.92 | 169 | 1456873 | 35.966 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.59 | 248 | 884788 | 39.992 | ng | | 96 |
| 67) Hexachlorobenzene | 16.70 | 284 | 1028690 | 39.870 | ng | | 93 |
| 68) Atrazine | 16.86 | 200 | 758025 | 41.005 | ng | | 95 |
| 69) Pentachlorophenol | 17.05 | 266 | 535122 | 39.199 | ng | | 97 |
| 70) Phenanthrene | 17.44 | 178 | 2839205 | 38.151 | ng | | 100 |
| 71) Anthracene | 17.53 | 178 | 2791390 | 37.773 | ng | | 99 |
| 72) Carbazole | 17.81 | 167 | 2365245 | 35.615 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.33 | 149 | 2779319 | 34.327 | ng | # | 96 |
| 74) Fluoranthene | 19.44 | 202 | 4354542 | 39.907 | ng | | 94 |
| 76) Benzidine | 19.63 | 184 | 1734759 | 40.388 | ng | | 99 |
| 77) Pyrene | 19.80 | 202 | 4626197 | 38.113 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.67 | 149 | 1406078 | 33.559 | ng | # | 80 |
| 80) Benzo(a)anthracene | 21.53 | 228 | 5063732 | 38.563 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.46 | 252 | 2184188 | 37.368 | ng | # | 97 |
| 82) Chrysene | 21.58 | 228 | 4681944 | 37.369 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.42 | 149 | 2056761 | 33.021 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 22.30 | 149 | 3410336 | 32.947 | ng | # | 92 |
| 85) Indeno(1,2,3-cd)pyrene | 26.15 | 276 | 6353572 | 35.263 | ng | # | 92 |
| 87) Benzo(b)fluoranthene | 23.14 | 252 | 5460195 | 40.837 | ng | # | 90 |
| 88) Benzo(k)fluoranthene | 23.18 | 252 | 5169772 | 38.000 | ng | # | 93 |
| 89) Benzo(a)pyrene | 23.73 | 252 | 4992294 | 38.373 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 26.15 | 278 | 5418029 | 37.160 | ng | # | 87 |
| 91) Benzo(g,h,i)perylene | 26.86 | 276 | 4770739 | 36.451 | ng | # | 81 |

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

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