Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041222\
Data File : BG053113.D
Acq On : 12 Apr 2022 10:28
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Reviewed By :Christian Giraldo 04/13/2022
Supervised By :Jagrut Upadhyay 04/13/2022

Quant Time: Apr 13 06:12:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 08 15:31:24 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.117 | 152 | 33765 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.931 | 136 | 135585 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.744 | 164 | 98935 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.487 | 188 | 231262 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.770 | 240 | 223047 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.071 | 264 | 232472 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.685 | 112 | 166598 | 84.579 | ng | | 0.00 |
| 7) Phenol-d6 | 7.277 | 99 | 258206 | 85.005 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.281 | 82 | 270222 | 80.923 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.230 | 330 | 127381 | 80.927 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.369 | 172 | 595438 | 82.989 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.090 | 244 | 1063795 | 80.550 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.571 | 88 | 38065 | 40.466 | ng | # | 94 |
| 3) Pyridine | 3.970 | 79 | 109745 | 44.235 | ng | # | 90 |
| 4) n-Nitrosodimethylamine | 3.876 | 42 | 51712 | 42.091 | ng | | 80 |
| 6) Aniline | 7.442 | 93 | 146696 | 41.671 | ng | | 97 |
| 8) 2-Chlorophenol | 7.689 | 128 | 89393 | 42.038 | ng | | 93 |
| 9) Benzaldehyde | 7.254 | 77 | 65270m | 35.948 | ng | | |
| 10) Phenol | 7.307 | 94 | 130123 | 43.036 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.530 | 93 | 91877 | 42.154 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 8.012 | 146 | 102068m | 41.306 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.159 | 146 | 106055 | 42.099 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.476 | 146 | 101522 | 41.791 | ng | | 98 |
| 15) Benzyl Alcohol | 8.352 | 79 | 113199 | 41.927 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.646 | 45 | 149725 | 41.147 | ng | | 98 |
| 17) 2-Methylphenol | 8.558 | 107 | 84240 | 41.172 | ng | | 95 |
| 18) Hexachloroethane | 9.210 | 117 | 38683 | 40.948 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.922 | 70 | 91513 | 41.151 | ng | # | 93 |
| 20) 3+4-Methylphenols | 8.887 | 107 | 120544 | 41.735 | ng | | 93 |
| 22) Acetophenone | 8.940 | 105 | 159720 | 42.462 | ng | | 96 |
| 24) Nitrobenzene | 9.328 | 77 | 132161 | 40.690 | ng | | 92 |
| 25) Isophorone | 9.845 | 82 | 231642 | 40.813 | ng | # | 98 |
| 26) 2-Nitrophenol | 10.038 | 139 | 55200 | 40.643 | ng | # | 91 |
| 27) 2,4-Dimethylphenol | 10.091 | 122 | 78860 | 40.542 | ng | | 93 |
| 28) bis(2-Chloroethoxy)met... | 10.326 | 93 | 131478 | 41.233 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.579 | 162 | 100817 | 41.228 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.796 | 180 | 111080 | 40.136 | ng | | 97 |
| 31) Naphthalene | 10.984 | 128 | 300048 | 41.479 | ng | | 100 |
| 32) Benzoic acid | 10.238 | 122 | 55382 | 44.070 | ng | | 94 |
| 33) 4-Chloroaniline | 11.084 | 127 | 126035 | 40.686 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.272 | 225 | 82294 | 40.029 | ng | | 99 |
| 35) Caprolactam | 11.848 | 113 | 33818 | 39.235 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 12.200 | 107 | 114798 | 40.324 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.582 | 142 | 218649 | 40.849 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.799 | 142 | 212439 | 40.660 | ng | | 96 |
| 40) 1,2,4,5-Tetrachloroben... | 12.946 | 216 | 138234 | 41.139 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.929 | 237 | 75343 | 43.436 | ng | | 92 |
| 43) 2,4,6-Trichlorophenol | 13.181 | 196 | 94669 | 40.863 | ng | | 95 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.258 | 196 | 101926 | 41.286 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.581 | 154 | 297516 | 41.758 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.622 | 162 | 232069 | 40.827 | ng | | 96 |
| 48) 2-Nitroaniline | 13.822 | 65 | 88216 | 40.895 | ng | | 95 |
| 49) Acenaphthylene | 14.468 | 152 | 370016 | 41.584 | ng | | 99 |
| 50) Dimethylphthalate | 14.192 | 163 | 318564 | 40.257 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.309 | 165 | 65968 | 39.960 | ng | | 87 |
| 52) Acenaphthene | 14.808 | 154 | 250974m | 41.592 | ng | | |
| 53) 3-Nitroaniline | 14.638 | 138 | 69985 | 40.092 | ng | | 87 |
| 54) 2,4-Dinitrophenol | 14.844 | 184 | 45603 | 43.415 | ng | | 90 |
| 55) Dibenzofuran | 15.143 | 168 | 389318 | 41.204 | ng | | 99 |
| 56) 4-Nitrophenol | 14.944 | 139 | 55764 | 41.886 | ng | | 84 |
| 57) 2,4-Dinitrotoluene | 15.096 | 165 | 94741 | 40.310 | ng | # | 83 |
| 58) Fluorene | 15.789 | 166 | 309127 | 40.508 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.366 | 232 | 97171 | 40.530 | ng | | 99 |
| 60) Diethylphthalate | 15.549 | 149 | 325925 | 39.310 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.778 | 204 | 172660 | 39.912 | ng | | 98 |
| 62) 4-Nitroaniline | 15.801 | 138 | 77341 | 41.988 | ng | | 88 |
| 63) Azobenzene | 16.066 | 77 | 336959 | 40.310 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.860 | 198 | 68109 | 42.213 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 15.989 | 169 | 276120 | 41.520 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.671 | 248 | 122769 | 41.430 | ng | | 97 |
| 68) Hexachlorobenzene | 16.800 | 284 | 130280 | 40.597 | ng | | 95 |
| 69) Atrazine | 16.929 | 200 | 101585 | 39.105 | ng | | 98 |
| 70) Pentachlorophenol | 17.141 | 266 | 76386 | 43.553 | ng | | 90 |
| 71) Phenanthrene | 17.528 | 178 | 519000 | 41.086 | ng | | 98 |
| 72) Anthracene | 17.622 | 178 | 514048 | 41.077 | ng | | 99 |
| 73) Carbazole | 17.887 | 167 | 501655 | 41.238 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.439 | 149 | 556966 | 40.370 | ng | | 99 |
| 75) Fluoranthene | 19.531 | 202 | 653582 | 40.364 | ng | | 99 |
| 77) Benzidine | 19.708 | 184 | 246634 | 38.755 | ng | | 98 |
| 78) Pyrene | 19.896 | 202 | 653623 | 41.146 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.771 | 149 | 247193 | 41.739 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.752 | 228 | 623970 | 40.915 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.658 | 252 | 226428 | 40.372 | ng | | 99 |
| 83) Chrysene | 21.822 | 228 | 583364 | 41.217 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.646 | 149 | 333600 | 41.673 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.880 | 149 | 552013 | 41.231 | ng | | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 28.848 | 276 | 696653 | 40.336 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 24.019 | 252 | 587346 | 40.044 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.090 | 252 | 590652 | 40.973 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.918 | 252 | 501605 | 40.143 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.913 | 278 | 574805 | 40.436 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 30.035 | 276 | 571458 | 40.786 | ng | | 99 |

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

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