Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054284.D
Acq On : 14 Jul 2022 17:38
Operator : CG/JU
Sample : N3711-07MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PSC124055MS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 07/15/2022
Supervised By :Jagrut Upadhyay 07/15/2022

Quant Time: Jul 15 01:58:24 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 12 15:49:20 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.041 | 152 | 15279 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.850 | 136 | 58245 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 14.669 | 164 | 46668 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.413 | 188 | 127354 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 21.684 | 240 | 157023 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 24.916 | 264 | 172756 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.609 | 112 | 71215 | 93.643 | ng | | 0.00 |
| 7) Phenol-d6 | 7.207 | 99 | 91969 | 87.681 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.199 | 82 | 57799 | 53.851 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.155 | 330 | 91637 | 101.368 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.288 | 172 | 174815 | 55.041 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.016 | 244 | 430533 | 56.383 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.482 | 88 | 12034 | 36.183 | ng | | 96 |
| 3) Pyridine | 3.882 | 79 | 31072 | 37.407 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.793 | 42 | 22634 | 53.936 | ng | # | 71 |
| 6) Aniline | 7.360 | 93 | 53741 | 43.586 | ng | | 96 |
| 8) 2-Chlorophenol | 7.607 | 128 | 45565 | 53.456 | ng | | 92 |
| 9) Benzaldehyde | 7.172 | 77 | 23163m | 36.774 | ng | | |
| 10) Phenol | 7.236 | 94 | 52691 | 49.790 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 7.454 | 93 | 35128 | 45.011 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 7.930 | 146 | 51765 | 50.015 | ng | | 91 |
| 13) 1,4-Dichlorobenzene | 8.077 | 146 | 54045 | 50.957 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.394 | 146 | 50973 | 50.052 | ng | | 99 |
| 15) Benzyl Alcohol | 8.276 | 79 | 42706 | 50.505 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.570 | 45 | 42031 | 38.785 | ng | | 89 |
| 17) 2-Methylphenol | 8.482 | 107 | 36986 | 48.916 | ng | | 97 |
| 18) Hexachloroethane | 9.128 | 117 | 17632 | 48.862 | ng | # | 60 |
| 19) n-Nitroso-di-n-propyla... | 8.840 | 70 | 31162 | 43.517 | ng | # | 91 |
| 20) 3+4-Methylphenols | 8.811 | 107 | 49413 | 46.576 | ng | | 98 |
| 22) Acetophenone | 8.858 | 105 | 66756 | 47.425 | ng | # | 96 |
| 24) Nitrobenzene | 9.246 | 77 | 48849 | 46.295 | ng | # | 84 |
| 25) Isophorone | 9.769 | 82 | 88838 | 45.755 | ng | # | 89 |
| 26) 2-Nitrophenol | 9.957 | 139 | 25864 | 49.754 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 10.016 | 122 | 41751 | 57.418 | ng | | 95 |
| 28) bis(2-Chloroethoxy)met... | 10.245 | 93 | 48829 | 49.404 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.497 | 162 | 56718 | 53.818 | ng | | 90 |
| 30) 1,2,4-Trichlorobenzene | 10.715 | 180 | 66232 | 50.936 | ng | # | 97 |
| 31) Naphthalene | 10.897 | 128 | 135897 | 46.398 | ng | | 99 |
| 32) Benzoic acid | 10.192 | 122 | 11953m | 36.554 | ng | | |
| 33) 4-Chloroaniline | 11.003 | 127 | 43255 | 35.512 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.185 | 225 | 59590 | 55.231 | ng | | 95 |
| 35) Caprolactam | 11.772 | 113 | 13559m | 45.176 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.131 | 107 | 49884 | 49.199 | ng | | 86 |
| 37) 2-Methylnaphthalene | 12.501 | 142 | 106507 | 47.450 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.718 | 142 | 101043 | 46.366 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.871 | 216 | 100723 | 53.171 | ng | # | 95 |
| 41) Hexachlorocyclopentadiene | 12.848 | 237 | 82028 | 100.450 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 13.112 | 196 | 56355 | 51.800 | ng | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.188 | 196 | 62730 | 52.713 | ng | # | 91 |
| 46) 1,1'-Biphenyl | 13.506 | 154 | 157174 | 50.083 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.547 | 162 | 127957 | 48.773 | ng | | 96 |
| 48) 2-Nitroaniline | 13.746 | 65 | 33454 | 45.055 | ng | | 89 |
| 49) Acenaphthylene | 14.393 | 152 | 190064 | 47.755 | ng | | 99 |
| 50) Dimethylphthalate | 14.117 | 163 | 174849 | 47.719 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.240 | 165 | 39073 | 49.061 | ng | # | 76 |
| 52) Acenaphthene | 14.734 | 154 | 116172 | 48.258 | ng | | 99 |
| 53) 3-Nitroaniline | 14.569 | 138 | 26339 | 37.310 | ng | | 87 |
| 54) 2,4-Dinitrophenol | 14.786 | 184 | 41101 | 92.574 | ng | # | 78 |
| 55) Dibenzofuran | 15.063 | 168 | 209221 | 49.481 | ng | | 96 |
| 56) 4-Nitrophenol | 14.892 | 139 | 47936 | 105.695 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 15.033 | 165 | 56574 | 49.058 | ng | # | 82 |
| 58) Fluorene | 15.715 | 166 | 171740 | 48.893 | ng | | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.298 | 232 | 60721 | 50.943 | ng | # | 86 |
| 60) Diethylphthalate | 15.480 | 149 | 170191 | 47.622 | ng | | 94 |
| 61) 4-Chlorophenyl-phenyle... | 15.703 | 204 | 118405 | 53.068 | ng | # | 86 |
| 62) 4-Nitroaniline | 15.732 | 138 | 33296 | 45.157 | ng | | 92 |
| 63) Azobenzene | 15.997 | 77 | 117371 | 43.579 | ng | | 81 |
| 65) 4,6-Dinitro-2-methylph... | 15.797 | 198 | 35674 | 47.616 | ng | | 81 |
| 66) n-Nitrosodiphenylamine | 15.915 | 169 | 156191 | 48.623 | ng | | 95 |
| 67) 4-Bromophenyl-phenylether | 16.596 | 248 | 88729 | 52.236 | ng | # | 90 |
| 68) Hexachlorobenzene | 16.725 | 284 | 103812 | 53.544 | ng | # | 89 |
| 69) Atrazine | 16.860 | 200 | 80482 | 56.728 | ng | | 93 |
| 70) Pentachlorophenol | 17.072 | 266 | 80690 | 91.074 | ng | | 98 |
| 71) Phenanthrene | 17.454 | 178 | 304866 | 47.855 | ng | | 97 |
| 72) Anthracene | 17.548 | 178 | 307626 | 49.308 | ng | | 99 |
| 73) Carbazole | 17.812 | 167 | 257384 | 48.716 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.365 | 149 | 288573 | 46.126 | ng | | 98 |
| 75) Fluoranthene | 19.463 | 202 | 429180 | 49.538 | ng | | 95 |
| 77) Benzidine | 19.640 | 184 | 247772 | 89.889 | ng | | 98 |
| 78) Pyrene | 19.828 | 202 | 427367 | 47.291 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.703 | 149 | 128714 | 43.958 | ng | # | 84 |
| 81) Benzo(a)anthracene | 21.667 | 228 | 478460 | 48.169 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.573 | 252 | 124538 | 41.022 | ng | # | 97 |
| 83) Chrysene | 21.731 | 228 | 442090 | 47.058 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 21.567 | 149 | 184366 | 44.378 | ng | # | 92 |
| 85) Di-n-octyl phthalate | 22.771 | 149 | 317216 | 44.352 | ng | # | 92 |
| 87) Indeno(1,2,3-cd)pyrene | 28.635 | 276 | 615172 | 47.334 | ng | # | 98 |
| 88) Benzo(b)fluoranthene | 23.893 | 252 | 532546 | 51.985 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 23.958 | 252 | 486129 | 47.833 | ng | # | 97 |
| 90) Benzo(a)pyrene | 24.769 | 252 | 459331 | 52.403 | ng | # | 98 |
| 91) Dibenzo(a,h)anthracene | 28.682 | 278 | 530770 | 49.852 | ng | # | 95 |
| 92) Benzo(g,h,i)perylene | 29.786 | 276 | 530021 | 49.911 | ng | # | 92 |

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

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