Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041824\
Data File : BG060931.D
Acq On : 18 Apr 2024 11:01
Operator : MA/JU
Sample : PB160120BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 18 11:43:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 02:02:19 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
PB160120BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.941 | 152 | 45999 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.737 | 136 | 188333 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.568 | 164 | 157448 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.318 | 188 | 410667 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.578 | 240 | 396571 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.697 | 264 | 462419 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.526 | 112 | 382925 | 144.597 | ng | 0.00 |
| 7) Phenol-d6 | 7.112 | 99 | 562160 | 147.356 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.098 | 82 | 346381 | 83.495 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.061 | 330 | 349100 | 134.213 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.193 | 172 | 933641 | 87.018 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.938 | 244 | 1974326 | 86.886 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.446 | 88 | 39671 | 37.057 | ng | 93 |
| 3) Pyridine | 3.828 | 79 | 111544 | 32.749 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.751 | 42 | 90297 | 41.545 | ng | 99 |
| 6) Aniline | 7.265 | 93 | 139617 | 30.037 | ng | 96 |
| 8) 2-Chlorophenol | 7.506 | 128 | 151150 | 50.170 | ng | 99 |
| 9) Benzaldehyde | 7.077 | 77 | 7919 | 3.865 | ng | 94 |
| 10) Phenol | 7.136 | 94 | 204026 | 53.363 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 7.365 | 93 | 135637 | 45.736 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 7.829 | 146 | 152959 | 47.784 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 7.976 | 146 | 154111 | 47.027 | ng | 96 |
| 14) 1,2-Dichlorobenzene | 8.293 | 146 | 150041 | 47.084 | ng | 97 |
| 15) Benzyl Alcohol | 8.176 | 79 | 148631 | 45.290 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.458 | 45 | 320794 | 44.759 | ng | 100 |
| 17) 2-Methylphenol | 8.381 | 107 | 134466 | 44.511 | ng | 97 |
| 18) Hexachloroethane | 9.022 | 117 | 54188 | 46.567 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.746 | 70 | 123833 | 42.615 | ng | 96 |
| 20) 3+4-Methylphenols | 8.704 | 107 | 190298 | 45.405 | ng | 94 |
| 22) Acetophenone | 8.757 | 105 | 237731 | 44.326 | ng | 99 |
| 24) Nitrobenzene | 9.139 | 77 | 174221 | 42.791 | ng | 99 |
| 25) Isophorone | 9.662 | 82 | 328881 | 42.959 | ng | 98 |
| 26) 2-Nitrophenol | 9.844 | 139 | 79337 | 46.384 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.909 | 122 | 114250 | 37.912 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.144 | 93 | 188377 | 43.760 | ng | 98 |
| 29) 2,4-Dichlorophenol | 10.379 | 162 | 153445 | 46.930 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.602 | 180 | 159409 | 45.483 | ng | 98 |
| 31) Naphthalene | 10.784 | 128 | 449180 | 44.100 | ng | 99 |
| 32) Benzoic acid | 10.044 | 122 | 111005 | 45.505 | ng | 96 |
| 33) 4-Chloroaniline | 10.890 | 127 | 94126 | 19.718 | ng | 97 |
| 34) Hexachlorobutadiene | 11.078 | 225 | 113566 | 45.580 | ng | 98 |
| 35) Caprolactam | 11.654 | 113 | 56801m | 47.084 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.018 | 107 | 186449 | 47.180 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.394 | 142 | 331819 | 43.063 | ng | 98 |
| 38) 1-Methylnaphthalene | 12.612 | 142 | 311752 | 42.857 | ng | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.764 | 216 | 222210 | 45.736 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.747 | 237 | 263035 | 105.878 | ng | 94 |
| 43) 2,4,6-Trichlorophenol | 12.999 | 196 | 159320 | 47.156 | ng | 96 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.076 | 196 | 185137 | 45.439 | ng | | 95 |
| 46) 1,1'-Biphenyl | 13.405 | 154 | 491194 | 45.882 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.446 | 162 | 391539 | 47.785 | ng | | 99 |
| 48) 2-Nitroaniline | 13.640 | 65 | 157252 | 46.769 | ng | | 96 |
| 49) Acenaphthylene | 14.292 | 152 | 665688 | 48.046 | ng | | 100 |
| 50) Dimethylphthalate | 14.028 | 163 | 571518 | 45.743 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.139 | 165 | 121613 | 47.757 | ng | | 98 |
| 52) Acenaphthene | 14.633 | 154 | 378099 | 44.996 | ng | | 98 |
| 53) 3-Nitroaniline | 14.468 | 138 | 79958 | 28.604 | ng | # | 93 |
| 54) 2,4-Dinitrophenol | 14.674 | 184 | 153040 | 93.117 | ng | | 95 |
| 55) Dibenzofuran | 14.968 | 168 | 635481 | 44.769 | ng | | 98 |
| 56) 4-Nitrophenol | 14.786 | 139 | 218592 | 102.134 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 14.932 | 165 | 182425 | 50.132 | ng | | 95 |
| 58) Fluorene | 15.620 | 166 | 526984 | 44.758 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.197 | 232 | 177870 | 47.521 | ng | | 99 |
| 60) Diethylphthalate | 15.397 | 149 | 569392 | 45.499 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.614 | 204 | 284593 | 43.604 | ng | | 97 |
| 62) 4-Nitroaniline | 15.632 | 138 | 131194 | 43.649 | ng | | 97 |
| 63) Azobenzene | 15.908 | 77 | 539314 | 45.725 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.696 | 198 | 112946 | 49.297 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.826 | 169 | 508428 | 45.100 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.507 | 248 | 205501 | 44.670 | ng | | 98 |
| 68) Hexachlorobenzene | 16.625 | 284 | 237195 | 47.383 | ng | | 99 |
| 69) Atrazine | 16.783 | 200 | 209382 | 51.679 | ng | | 96 |
| 70) Pentachlorophenol | 16.965 | 266 | 323603 | 95.454 | ng | | 98 |
| 71) Phenanthrene | 17.359 | 178 | 966507 | 46.496 | ng | | 99 |
| 72) Anthracene | 17.453 | 178 | 981101 | 45.949 | ng | | 99 |
| 73) Carbazole | 17.717 | 167 | 870809 | 46.810 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.293 | 149 | 1044427 | 46.633 | ng | | 99 |
| 75) Fluoranthene | 19.368 | 202 | 1199461 | 45.334 | ng | | 100 |
| 77) Benzidine | 19.551 | 184 | 371840 | 42.509 | ng | | 99 |
| 78) Pyrene | 19.733 | 202 | 1260059 | 46.318 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.632 | 149 | 459233 | 45.960 | ng | | 100 |
| 81) Benzo(a)anthracene | 21.554 | 228 | 1300195 | 46.429 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.472 | 252 | 331924 | 33.284 | ng | | 100 |
| 83) Chrysene | 21.625 | 228 | 1228636 | 45.951 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.489 | 149 | 676346 | 45.776 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.676 | 149 | 1168430 | 45.831 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.240 | 276 | 1561119 | 48.820 | ng | # | 96 |
| 88) Benzo(b)fluoranthene | 23.710 | 252 | 1273347 | 48.669 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.781 | 252 | 1275395 | 47.651 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.556 | 252 | 1207153 | 46.798 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 28.311 | 278 | 1263977 | 48.021 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.345 | 276 | 1185686 | 46.076 | ng | | 98 |

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

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