Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
Data File : BG061234.D
Acq On : 17 May 2024 11:42
Operator : MA/JU
Sample : PB160948BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 12:24:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
PB160948BS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.929 | 152 | 19221 | 20.000 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.726 | 136 | 82648 | 20.000 | ng | | #-0.03 |
| 39) Acenaphthene-d10 | 14.562 | 164 | 74443 | 20.000 | ng | | -0.03 |
| 64) Phenanthrene-d10 | 17.312 | 188 | 196413 | 20.000 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.572 | 240 | 199664 | 20.000 | ng | | #-0.02 |
| 86) Perylene-d12 | 24.698 | 264 | 223881 | 20.000 | ng | | -0.03 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.526 | 112 | 150603 | 159.350 | ng | | -0.02 |
| 7) Phenol-d6 | 7.112 | 99 | 208878 | 149.400 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.086 | 82 | 145951 | 87.541 | ng | | -0.03 |
| 42) 2,4,6-Tribromophenol | 16.061 | 330 | 179064 | 120.340 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.182 | 172 | 409967 | 81.435 | ng | | -0.03 |
| 79) Terphenyl-d14 | 19.927 | 244 | 998037 | 83.133 | ng | | -0.03 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.428 | 88 | 11182 | 29.262 | ng | # | 82 |
| 3) Pyridine | 3.822 | 79 | 34207 | 30.420 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.740 | 42 | 40157 | 37.170 | ng | # | 91 |
| 6) Aniline | 7.253 | 93 | 48034 | 34.656 | ng | | 95 |
| 8) 2-Chlorophenol | 7.500 | 128 | 57638 | 49.710 | ng | | 96 |
| 9) Benzaldehyde | 7.065 | 77 | 19935 | 24.126 | ng | | 94 |
| 10) Phenol | 7.142 | 94 | 71453 | 50.255 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.353 | 93 | 45781 | 46.609 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.817 | 146 | 55682 | 40.736 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.964 | 146 | 57197 | 40.486 | ng | | 92 |
| 14) 1,2-Dichlorobenzene | 8.282 | 146 | 57220 | 41.981 | ng | | 98 |
| 15) Benzyl Alcohol | 8.170 | 79 | 60386 | 47.879 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.446 | 45 | 116624m | 54.719 | ng | | |
| 17) 2-Methylphenol | 8.381 | 107 | 50640 | 49.979 | ng | | 96 |
| 18) Hexachloroethane | 9.010 | 117 | 21387 | 42.426 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.728 | 70 | 46779 | 44.709 | ng | # | 91 |
| 20) 3+4-Methylphenols | 8.710 | 107 | 71682 | 49.036 | ng | | 95 |
| 22) Acetophenone | 8.746 | 105 | 93474 | 45.414 | ng | | 99 |
| 24) Nitrobenzene | 9.128 | 77 | 73503 | 45.066 | ng | | 97 |
| 25) Isophorone | 9.650 | 82 | 133663 | 43.371 | ng | | 98 |
| 26) 2-Nitrophenol | 9.844 | 139 | 34385 | 44.497 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.909 | 122 | 46595 | 52.301 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.132 | 93 | 72013 | 47.611 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.385 | 162 | 64761 | 46.394 | ng | | 89 |
| 30) 1,2,4-Trichlorobenzene | 10.591 | 180 | 67481 | 40.121 | ng | | 94 |
| 31) Naphthalene | 10.779 | 128 | 182409 | 42.466 | ng | | 99 |
| 32) Benzoic acid | 10.079 | 122 | 22392m | 21.742 | ng | | |
| 33) 4-Chloroaniline | 10.884 | 127 | 56493 | 32.978 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.061 | 225 | 55248 | 38.282 | ng | | 96 |
| 35) Caprolactam | 11.672 | 113 | 23156m | 46.064 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.024 | 107 | 80333 | 47.725 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.383 | 142 | 135329 | 42.043 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.600 | 142 | 129681 | 40.020 | ng | | 93 |
| 40) 1,2,4,5-Tetrachloroben... | 12.753 | 216 | 103481 | 41.652 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.729 | 237 | 75255 | 79.128 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 13.000 | 196 | 65856 | 41.289 | ng | | 99 |

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Sample : PB160948BS
Misc :
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Quant Time: May 17 12:24:25 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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**Instrument :**
BNA_G
**ClientSampleId :**
PB160948BS

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.082 | 196 | 74139 | 41.070 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.393 | 154 | 200921 | 42.094 | ng | | 95 |
| 47) 2-Chloronaphthalene | 13.434 | 162 | 156658 | 40.987 | ng | | 96 |
| 48) 2-Nitroaniline | 13.640 | 65 | 67797 | 47.802 | ng | | 96 |
| 49) Acenaphthylene | 14.286 | 152 | 274770 | 46.806 | ng | | 99 |
| 50) Dimethylphthalate | 14.016 | 163 | 249719 | 43.430 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.139 | 165 | 52416 | 42.619 | ng | | 98 |
| 52) Acenaphthene | 14.627 | 154 | 151734 | 41.434 | ng | | 97 |
| 53) 3-Nitroaniline | 14.468 | 138 | 38020 | 33.785 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 14.692 | 184 | 62152 | 71.530 | ng | | 97 |
| 55) Dibenzofuran | 14.962 | 168 | 267443 | 43.237 | ng | | 97 |
| 56) 4-Nitrophenol | 14.809 | 139 | 73011 | 80.281 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.933 | 165 | 80710 | 44.356 | ng | # | 94 |
| 58) Fluorene | 15.614 | 166 | 227856 | 42.570 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.197 | 232 | 73019 | 39.295 | ng | | 99 |
| 60) Diethylphthalate | 15.385 | 149 | 245767 | 42.386 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.602 | 204 | 134263 | 41.775 | ng | | 95 |
| 62) 4-Nitroaniline | 15.638 | 138 | 54052 | 44.286 | ng | | 88 |
| 63) Azobenzene | 15.896 | 77 | 213097 | 47.211 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 15.702 | 198 | 51842 | 42.541 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 15.820 | 169 | 213314 | 43.796 | ng | | 95 |
| 67) 4-Bromophenyl-phenylether | 16.495 | 248 | 97359 | 42.078 | ng | | 94 |
| 68) Hexachlorobenzene | 16.625 | 284 | 115442 | 40.086 | ng | | 100 |
| 69) Atrazine | 16.772 | 200 | 94077 | 46.835 | ng | | 96 |
| 70) Pentachlorophenol | 16.971 | 266 | 116700 | 65.961 | ng | | 96 |
| 71) Phenanthrene | 17.353 | 178 | 399440 | 44.477 | ng | | 98 |
| 72) Anthracene | 17.441 | 178 | 412767 | 46.061 | ng | | 99 |
| 73) Carbazole | 17.718 | 167 | 357089 | 45.320 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.276 | 149 | 432262 | 46.137 | ng | | 99 |
| 75) Fluoranthene | 19.369 | 202 | 532242 | 43.259 | ng | | 98 |
| 77) Benzidine | 19.545 | 184 | 100782 | 27.776 | ng | | 98 |
| 78) Pyrene | 19.727 | 202 | 551268 | 43.428 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.614 | 149 | 187044 | 46.550 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.554 | 228 | 575123 | 44.018 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.466 | 252 | 154463 | 32.851 | ng | | 98 |
| 83) Chrysene | 21.619 | 228 | 550048 | 44.935 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.460 | 149 | 256609 | 48.906 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.635 | 149 | 436826 | 47.187 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 28.252 | 276 | 697933 | 47.040 | ng | # | 96 |
| 88) Benzo(b)fluoranthene | 23.705 | 252 | 563658 | 45.055 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 23.775 | 252 | 561410 | 46.646 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.551 | 252 | 519633 | 47.676 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.311 | 278 | 570224 | 46.408 | ng | # | 99 |
| 92) Benzo(g,h,i)perylene | 29.357 | 276 | 530185 | 43.421 | ng | | 97 |

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

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