Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093024\
Data File : BF139574.D
Acq On : 30 Sep 2024 12:56
Operator : RC/JU
Sample : PB163743BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 30 13:23:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB163743BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel

10/01/2024
Supervised By :mohammad ahmed

10/01/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.869 | 152 | 77016 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.145 | 136 | 288772 | 20.000 | ng | # | -0.02 |
| 39) Acenaphthene-d10 | 9.898 | 164 | 163496 | 20.000 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 11.386 | 188 | 317453 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 14.021 | 240 | 166546 | 20.000 | ng | # | -0.01 |
| 86) Perylene-d12 | 15.480 | 264 | 153390 | 20.000 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 663489 | 140.540 | ng | | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 880322 | 142.064 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.433 | 82 | 579619 | 94.361 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.692 | 330 | 232415 | 133.525 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.222 | 172 | 1073854 | 92.119 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.968 | 244 | 1113870 | 109.777 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.722 | 88 | 92605 | 48.892 | ng | | 95 |
| 3) Pyridine | 3.463 | 79 | 241784 | 57.898 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.422 | 42 | 166257 | 45.933 | ng | # | 75 |
| 6) Aniline | 6.528 | 93 | 296447 | 63.392 | ng | # | 76 |
| 8) 2-Chlorophenol | 6.651 | 128 | 264380 | 54.403 | ng | | 98 |
| 9) Benzaldehyde | 6.416 | 77 | 44762 | 12.503 | ng | | 96 |
| 10) Phenol | 6.516 | 94 | 339531 | 53.798 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.604 | 93 | 258337 | 53.856 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.810 | 146 | 275030 | 49.763 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.886 | 146 | 278298 | 49.829 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.033 | 146 | 265802 | 50.366 | ng | | 98 |
| 15) Benzyl Alcohol | 7.010 | 79 | 250024 | 50.573 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.139 | 45 | 470003 | 63.578 | ng | | 96 |
| 17) 2-Methylphenol | 7.122 | 107 | 212063 | 54.923 | ng | | 97 |
| 18) Hexachloroethane | 7.375 | 117 | 104711 | 49.223 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.281 | 70 | 195469 | 53.232 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 266963 | 50.679 | ng | | 92 |
| 22) Acetophenone | 7.275 | 105 | 357157 | 47.310 | ng | | 99 |
| 24) Nitrobenzene | 7.451 | 77 | 298383 | 47.197 | ng | | 97 |
| 25) Isophorone | 7.686 | 82 | 533914 | 54.960 | ng | | 99 |
| 26) 2-Nitrophenol | 7.763 | 139 | 136620 | 55.468 | ng | | 89 |
| 27) 2,4-Dimethylphenol | 7.798 | 122 | 212428 | 65.383 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.898 | 93 | 307182 | 55.482 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 218317 | 52.894 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.086 | 180 | 225976 | 46.989 | ng | | 97 |
| 31) Naphthalene | 8.169 | 128 | 769921 | 51.071 | ng | | 99 |
| 32) Benzoic acid | 7.922 | 122 | 157088 | 51.666 | ng | | 90 |
| 33) 4-Chloroaniline | 8.216 | 127 | 170900 | 37.056 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.280 | 225 | 150600 | 46.093 | ng | | 99 |
| 35) Caprolactam | 8.586 | 113 | 72475m | 57.083 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 245908 | 52.132 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.857 | 142 | 501271 | 52.385 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.957 | 142 | 463872 | 49.377 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.022 | 216 | 231805 | 47.839 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.010 | 237 | 279878 | 165.427 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.139 | 196 | 160162 | 50.805 | ng | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.180 | 196 | 174510 | 52.479 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.322 | 154 | 628040 | 49.931 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.345 | 162 | 468732 | 49.840 | ng | | 99 |
| 48) 2-Nitroaniline | 9.445 | 65 | 184198 | 52.657 | ng | | 99 |
| 49) Acenaphthylene | 9.763 | 152 | 784469 | 55.413 | ng | | 100 |
| 50) Dimethylphthalate | 9.622 | 163 | 568962 | 53.021 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.686 | 165 | 123702 | 52.036 | ng | | 93 |
| 52) Acenaphthene | 9.933 | 154 | 558969m | 56.573 | ng | | |
| 53) 3-Nitroaniline | 9.857 | 138 | 97633 | 41.095 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 9.963 | 184 | 139386 | 105.225 | ng | # | 87 |
| 55) Dibenzofuran | 10.110 | 168 | 715525 | 51.957 | ng | | 95 |
| 56) 4-Nitrophenol | 10.022 | 139 | 201078 | 102.286 | ng | # | 82 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 171475 | 53.428 | ng | | 97 |
| 58) Fluorene | 10.451 | 166 | 556297 | 49.509 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.227 | 232 | 146707 | 53.333 | ng | | 96 |
| 60) Diethylphthalate | 10.322 | 149 | 587974 | 53.095 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.439 | 204 | 268269 | 49.127 | ng | | 95 |
| 62) 4-Nitroaniline | 10.469 | 138 | 131685 | 50.787 | ng | | 88 |
| 63) Azobenzene | 10.598 | 77 | 591658 | 54.321 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198 | 92342 | 55.114 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 10.563 | 169 | 492456 | 53.059 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.927 | 248 | 162417 | 51.629 | ng | | 99 |
| 68) Hexachlorobenzene | 10.992 | 284 | 184073 | 49.856 | ng | | 99 |
| 69) Atrazine | 11.086 | 200 | 161145 | 72.931 | ng | | 99 |
| 70) Pentachlorophenol | 11.192 | 266 | 205505 | 92.762 | ng | | 99 |
| 71) Phenanthrene | 11.410 | 178 | 810144 | 52.896 | ng | | 99 |
| 72) Anthracene | 11.463 | 178 | 831922 | 55.556 | ng | | 99 |
| 73) Carbazole | 11.616 | 167 | 747844 | 52.180 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.945 | 149 | 901006 | 56.434 | ng | | 99 |
| 75) Fluoranthene | 12.598 | 202 | 840684 | 51.399 | ng | | 98 |
| 77) Benzidine | 12.715 | 184 | 275571 | 115.489 | ng | | 100 |
| 78) Pyrene | 12.827 | 202 | 840732 | 58.791 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.439 | 149 | 310718 | 63.835 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.009 | 228 | 604007 | 54.751 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.968 | 252 | 144968 | 44.872 | ng | # | 99 |
| 83) Chrysene | 14.045 | 228 | 556784 | 54.858 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149 | 405292 | 65.453 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 582414 | 63.867 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.945 | 276 | 516878 | 56.669 | ng | # | 95 |
| 88) Benzo(b)fluoranthene | 15.057 | 252 | 498495 | 52.694 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.086 | 252 | 470317 | 53.920 | ng | # | 98 |
| 90) Benzo(a)pyrene | 15.421 | 252 | 449268 | 57.263 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.962 | 278 | 420972 | 55.855 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.392 | 276 | 394604 | 52.878 | ng | # | 96 |

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

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