Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102524\
Data File : BF140033.D
Acq On : 25 Oct 2024 13:05
Operator : RC/JU
Sample : PB164211BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 25 13:46:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB164211BSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.887 | 152 | 90907 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 349292 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.928 | 164 | 193554 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.416 | 188 | 342208 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 182421 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.527 | 264 | 173566 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.516 | 112 | 817434 | 140.768 | ng | 0.02 |
| 7) Phenol-d6 | 6.516 | 99 | 1035519 | 137.685 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.451 | 82 | 682878 | 108.355 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.722 | 330 | 302175 | 166.907 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.245 | 172 | 1210570 | 103.367 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 1275444 | 113.929 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.769 | 88 | 108647 | 40.129 | ng | 97 |
| 3) Pyridine | 3.522 | 79 | 291337 | 43.412 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.475 | 42 | 176609 | 48.981 | ng | 94 |
| 6) Aniline | 6.551 | 93 | 304089 | 43.383 | ng | 100 |
| 8) 2-Chlorophenol | 6.675 | 128 | 315172 | 53.091 | ng | 97 |
| 9) Benzaldehyde | 6.440 | 77 | 75497 | 17.844 | ng | 98 |
| 10) Phenol | 6.528 | 94 | 387548m | 49.982 | ng | |
| 11) bis(2-Chloroethyl)ether | 6.622 | 93 | 300215 | 50.094 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.834 | 146 | 339253 | 49.784 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.910 | 146 | 344093 | 50.541 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.057 | 146 | 331495 | 52.170 | ng | 98 |
| 15) Benzyl Alcohol | 7.028 | 79 | 292437 | 53.008 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163 | 45 | 472633 | 46.251 | ng | 97 |
| 17) 2-Methylphenol | 7.134 | 107 | 257565 | 50.882 | ng | 97 |
| 18) Hexachloroethane | 7.404 | 117 | 123876 | 51.024 | ng | 95 |
| 19) n-Nitroso-di-n-propyla... | 7.298 | 70 | 221948 | 48.658 | ng | 98 |
| 20) 3+4-Methylphenols | 7.287 | 107 | 317999 | 49.114 | ng | 91 |
| 22) Acetophenone | 7.298 | 105 | 434118 | 50.743 | ng | 99 |
| 24) Nitrobenzene | 7.469 | 77 | 344294 | 49.828 | ng | 99 |
| 25) Isophorone | 7.710 | 82 | 609300 | 50.938 | ng | 99 |
| 26) 2-Nitrophenol | 7.787 | 139 | 161263 | 61.864 | ng | 97 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 255086 | 58.687 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 354871 | 48.967 | ng | 100 |
| 29) 2,4-Dichlorophenol | 8.028 | 162 | 252813 | 51.065 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.110 | 180 | 274975 | 50.194 | ng | 99 |
| 31) Naphthalene | 8.192 | 128 | 916220 | 50.860 | ng | 100 |
| 32) Benzoic acid | 7.934 | 122 | 190989 | 50.379 | ng | 99 |
| 33) 4-Chloroaniline | 8.239 | 127 | 135526 | 22.063 | ng | 98 |
| 34) Hexachlorobutadiene | 8.310 | 225 | 183797 | 53.398 | ng | 98 |
| 35) Caprolactam | 8.610 | 113 | 81804m | 51.965 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 283139 | 51.649 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.887 | 142 | 576248 | 52.231 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.987 | 142 | 530285 | 48.990 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.051 | 216 | 272619 | 52.208 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.039 | 237 | 363352 | 199.981 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 198341 | 53.650 | ng | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.198 | 196 | 198905 | 52.148 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.351 | 154 | 681920 | 50.609 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.375 | 162 | 544289 | 50.154 | ng | | 99 |
| 48) 2-Nitroaniline | 9.469 | 65 | 189567 | 57.114 | ng | | 94 |
| 49) Acenaphthylene | 9.792 | 152 | 854895 | 54.489 | ng | | 99 |
| 50) Dimethylphthalate | 9.651 | 163 | 628143 | 52.102 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.710 | 165 | 139423 | 53.411 | ng | | 98 |
| 52) Acenaphthene | 9.963 | 154 | 605657 | 59.675 | ng | | 99 |
| 53) 3-Nitroaniline | 9.875 | 138 | 93535 | 34.746 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.986 | 184 | 157105 | 139.564 | ng | # | 1 |
| 55) Dibenzofuran | 10.134 | 168 | 757662 | 52.031 | ng | | 99 |
| 56) 4-Nitrophenol | 10.034 | 139 | 236405 | 114.147 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.116 | 165 | 193572 | 60.301 | ng | | 97 |
| 58) Fluorene | 10.481 | 166 | 578953 | 52.200 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232 | 166114 | 55.554 | ng | | 100 |
| 60) Diethylphthalate | 10.351 | 149 | 601279 | 50.795 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204 | 289782 | 51.737 | ng | | 100 |
| 62) 4-Nitroaniline | 10.492 | 138 | 139851 | 55.007 | ng | | 95 |
| 63) Azobenzene | 10.628 | 77 | 618361 | 49.274 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198 | 104067 | 74.554 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 10.586 | 169 | 535013 | 52.236 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248 | 185841 | 52.715 | ng | | 99 |
| 68) Hexachlorobenzene | 11.022 | 284 | 207805 | 52.411 | ng | | 99 |
| 69) Atrazine | 11.110 | 200 | 173450 | 62.517 | ng | | 99 |
| 70) Pentachlorophenol | 11.216 | 266 | 261617 | 108.721 | ng | | 99 |
| 71) Phenanthrene | 11.439 | 178 | 863098 | 53.395 | ng | | 100 |
| 72) Anthracene | 11.492 | 178 | 875234 | 55.495 | ng | | 100 |
| 73) Carbazole | 11.645 | 167 | 768644 | 52.404 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.975 | 149 | 870114 | 51.346 | ng | | 99 |
| 75) Fluoranthene | 12.627 | 202 | 878759 | 53.776 | ng | | 99 |
| 77) Benzidine | 12.745 | 184 | 155302 | 51.774 | ng | | 99 |
| 78) Pyrene | 12.857 | 202 | 895412 | 56.076 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.474 | 149 | 286198 | 59.784 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 661522 | 55.707 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.004 | 252 | 136010 | 39.283 | ng | | 98 |
| 83) Chrysene | 14.080 | 228 | 588384 | 54.040 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 316231 | 58.877 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.645 | 149 | 455924 | 46.669 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 17.033 | 276 | 652789 | 58.462 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.098 | 252 | 530580 | 50.183 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.127 | 252 | 525217 | 57.601 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.468 | 252 | 514414 | 59.130 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.051 | 278 | 536640 | 57.611 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.486 | 276 | 500426 | 53.784 | ng | | 97 |

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

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