Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128953.D
Acq On : 23 Jun 2022 14:29
Operator : CG\JU
Sample : PB145651BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 04:28:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 24 00:50:48 2022
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB145651BS

**Manual Integrations APPROVED**
Reviewed By :Christian Giraldo
06/24/2022
Supervised By :Jagrut Upadhyay

06/24/2022
Supervised By :Jagrut Upadhyay

06/28/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.734 | 152 | 116290 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.022 | 136 | 454870 | 20.000 | ng | # | 0.01 |
| 39) Acenaphthene-d10 | 9.775 | 164 | 185713 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.263 | 188 | 348207 | 20.000 | ng | | 0.01 |
| 76) Chrysene-d12 | 13.916 | 240 | 255129 | 20.000 | ng | # | 0.02 |
| 86) Perylene-d12 | 15.351 | 264 | 174138 | 20.000 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.375 | 112 | 789445 | 108.131 | ng | | 0.02 |
| 7) Phenol-d6 | 6.398 | 99 | 978910 | 109.843 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.310 | 82 | 723640 | 74.069 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.575 | 330 | 237452 | 108.213 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.098 | 172 | 1337057 | 100.852 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.857 | 244 | 1222812 | 83.283 | ng | | 0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.516 | 88 | 82964 | 30.610 | ng | # | 90 |
| 3) Pyridine | 3.234 | 79 | 234857 | 32.619 | ng | # | 88 |
| 4) n-Nitrosodimethylamine | 3.193 | 42 | 192846 | 38.623 | ng | # | 77 |
| 6) Aniline | 6.398 | 93 | 346653 | 36.067 | ng | # | 60 |
| 8) 2-Chlorophenol | 6.528 | 128 | 317060 | 42.442 | ng | | 95 |
| 9) Benzaldehyde | 6.287 | 77 | 100732 | 18.553 | ng | | 95 |
| 10) Phenol | 6.410 | 94 | 395293 | 41.961 | ng | | 76 |
| 11) bis(2-Chloroethyl)ether | 6.475 | 93 | 304781 | 44.152 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.675 | 146 | 353071 | 40.882 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.751 | 146 | 360680 | 41.351 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.904 | 146 | 339176 | 41.570 | ng | | 98 |
| 15) Benzyl Alcohol | 6.892 | 79 | 298332 | 40.010 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.016 | 45 | 497863 | 43.774 | ng | # | 11 |
| 17) 2-Methylphenol | 7.169 | 107 | 337038 | 57.084 | ng | # | 84 |
| 18) Hexachloroethane | 7.245 | 117 | 140807 | 43.391 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.157 | 70 | 247122 | 44.598 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.169 | 107 | 337038 | 42.758 | ng | # | 82 |
| 22) Acetophenone | 7.151 | 105 | 474668 | 39.898 | ng | # | 94 |
| 24) Nitrobenzene | 7.328 | 77 | 379977 | 42.364 | ng | | 97 |
| 25) Isophorone | 7.569 | 82 | 664970 | 44.815 | ng | | 98 |
| 26) 2-Nitrophenol | 7.639 | 139 | 174143 | 44.066 | ng | # | 83 |
| 27) 2,4-Dimethylphenol | 7.692 | 122 | 297205 | 49.371 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 7.775 | 93 | 389392 | 41.513 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.892 | 162 | 289529 | 41.555 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.963 | 180 | 307721 | 39.225 | ng | | 99 |
| 31) Naphthalene | 8.039 | 128 | 952768 | 40.814 | ng | | 100 |
| 32) Benzoic acid | 7.857 | 122 | 106036 | 24.827 | ng | | 94 |
| 33) 4-Chloroaniline | 8.098 | 127 | 274718 | 31.213 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.157 | 225 | 212288 | 38.156 | ng | | 98 |
| 35) Caprolactam | 8.481 | 113 | 87871m | 45.608 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.604 | 107 | 321813 | 42.323 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.734 | 142 | 620094 | 41.762 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.834 | 142 | 589978 | 41.126 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.904 | 216 | 322969 | 55.996 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.886 | 237 | 245241 | 70.737 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.022 | 196 | 192381 | 49.324 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.075 | 196 | 205225 | 50.915 | ng | # | 94 |
| 46) 1,1'-Biphenyl | 9.198 | 154 | 792157 | 56.849 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.228 | 162 | 614591 | 57.802 | ng | | 99 |
| 48) 2-Nitroaniline | 9.334 | 65 | 228626 | 62.879 | ng | | 98 |
| 49) Acenaphthylene | 9.639 | 152 | 712243 | 43.755 | ng | | 99 |
| 50) Dimethylphthalate | 9.510 | 163 | 548447 | 43.145 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.575 | 165 | 117189 | 46.709 | ng | # | 84 |
| 52) Acenaphthene | 9.810 | 154 | 407773 | 38.468 | ng | | 99 |
| 53) 3-Nitroaniline | 9.745 | 138 | 88584 | 32.532 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 9.863 | 184 | 97705 | 69.917 | ng | # | 91 |
| 55) Dibenzofuran | 9.986 | 168 | 617362 | 40.524 | ng | | 94 |
| 56) 4-Nitrophenol | 9.945 | 139 | 121284 | 61.447 | ng | # | 72 |
| 57) 2,4-Dinitrotoluene | 9.981 | 165 | 159673 | 47.688 | ng | # | 67 |
| 58) Fluorene | 10.328 | 166 | 502840 | 42.561 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.110 | 232 | 122885 | 36.910 | ng | | 98 |
| 60) Diethylphthalate | 10.210 | 149 | 546708 | 42.792 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.316 | 204 | 254808 | 41.581 | ng | # | 89 |
| 62) 4-Nitroaniline | 10.369 | 138 | 108312 | 39.286 | ng | # | 83 |
| 63) Azobenzene | 10.480 | 77 | 537058 | 42.700 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.398 | 198 | 82674 | 40.232 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 10.445 | 169 | 462747 | 43.237 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.810 | 248 | 165154 | 42.531 | ng | | 96 |
| 68) Hexachlorobenzene | 10.875 | 284 | 188690 | 43.754 | ng | | 98 |
| 69) Atrazine | 10.975 | 200 | 160832 | 46.729 | ng | | 96 |
| 70) Pentachlorophenol | 11.086 | 266 | 163451 | 75.929 | ng | | 99 |
| 71) Phenanthrene | 11.292 | 178 | 743865 | 42.591 | ng | | 99 |
| 72) Anthracene | 11.345 | 178 | 754794 | 43.663 | ng | | 99 |
| 73) Carbazole | 11.504 | 167 | 662813 | 41.281 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.827 | 149 | 874117 | 44.714 | ng | | 99 |
| 75) Fluoranthene | 12.480 | 202 | 804142 | 44.047 | ng | | 97 |
| 77) Benzidine | 12.604 | 184 | 324404 | 63.785 | ng | | 99 |
| 78) Pyrene | 12.710 | 202 | 817327 | 43.059 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.327 | 149 | 350814 | 44.010 | ng | | 97 |
| 81) Benzo(a)anthracene | 13.904 | 228 | 693543 | 43.611 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.863 | 252 | 158979 | 46.727 | ng | | 100 |
| 83) Chrysene | 13.939 | 228 | 627907 | 41.414 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.886 | 149 | 491516 | 47.430 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.504 | 149 | 761668 | 48.800 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.774 | 276 | 430290 | 40.996 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 14.939 | 252 | 515057 | 46.288 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 14.968 | 252 | 507710 | 48.504 | ng | # | 96 |
| 90) Benzo(a)pyrene | 15.292 | 252 | 456287 | 52.173 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 16.780 | 278 | 379570 | 43.599 | ng | # | 95 |
| 92) Benzo(g,h,i)perylene | 17.204 | 276 | 372634 | 43.187 | ng | # | 90 |

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

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