Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062622\
Data File : BF129015.D
Acq On : 26 Jun 2022 20:25
Operator : CG\JU
Sample : PB145630BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 27 06:32:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 27 05:55:00 2022
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB145630BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.704 | 152 | 93311 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.986 | 136 | 359895 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.745 | 164 | 201357 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.233 | 188 | 376196 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.880 | 240 | 274892 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 15.304 | 264 | 205558 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.345 | 112 | 715954 | 119.116 | ng | | 0.01 |
| 7) Phenol-d6 | 6.369 | 99 | 839219 | 119.444 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.281 | 82 | 660609 | 88.368 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.539 | 330 | 194954 | 93.257 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.069 | 172 | 1231492 | 88.617 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.821 | 244 | 1409688 | 95.062 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.493 | 88 | 91330 | 55.979 | ng | | 97 |
| 3) Pyridine | 3.193 | 79 | 321875 | 51.107 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.169 | 42 | 237625 | 63.122 | ng | # | 84 |
| 6) Aniline | 6.369 | 93 | 387661 | 51.033 | ng | # | 62 |
| 8) 2-Chlorophenol | 6.498 | 128 | 303406 | 51.427 | ng | | 97 |
| 9) Benzaldehyde | 6.257 | 77 | 208698 | 54.496 | ng | | 95 |
| 10) Phenol | 6.381 | 94 | 473773 | 63.847 | ng | | 82 |
| 11) bis(2-Chloroethyl)ether | 6.445 | 93 | 292424 | 53.052 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.645 | 146 | 317352 | 46.854 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.722 | 146 | 317272 | 46.510 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.875 | 146 | 300646 | 47.920 | ng | | 99 |
| 15) Benzyl Alcohol | 6.863 | 79 | 269345 | 48.875 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 6.981 | 45 | 405120 | 44.475 | ng | # | 6 |
| 17) 2-Methylphenol | 7.139 | 107 | 308442 | 48.744 | ng | # | 80 |
| 18) Hexachloroethane | 7.210 | 117 | 119133 | 48.166 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.134 | 70 | 219115 | 50.529 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.139 | 107 | 308442 | 48.744 | ng | # | 82 |
| 22) Acetophenone | 7.122 | 105 | 417041 | 43.907 | ng | | 95 |
| 24) Nitrobenzene | 7.298 | 77 | 330595 | 47.783 | ng | | 97 |
| 25) Isophorone | 7.539 | 82 | 576871 | 50.916 | ng | | 97 |
| 26) 2-Nitrophenol | 7.610 | 139 | 154126 | 47.454 | ng | | 89 |
| 27) 2,4-Dimethylphenol | 7.663 | 122 | 256143 | 53.478 | ng | | 95 |
| 28) bis(2-Chloroethoxy)met... | 7.745 | 93 | 333467 | 45.567 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.863 | 162 | 247281 | 45.951 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.933 | 180 | 270381 | 45.484 | ng | | 100 |
| 31) Naphthalene | 8.010 | 128 | 843933 | 46.689 | ng | | 99 |
| 32) Benzoic acid | 7.833 | 122 | 87941 | 41.427 | ng | | 95 |
| 33) 4-Chloroaniline | 8.069 | 127 | 217268 | 31.193 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.122 | 225 | 181472 | 47.457 | ng | | 98 |
| 35) Caprolactam | 8.457 | 113 | 73921m | 50.821 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.575 | 107 | 278495 | 52.564 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.704 | 142 | 536434 | 53.185 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.804 | 142 | 514914 | 53.129 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.869 | 216 | 284779 | 44.253 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 8.851 | 237 | 158512 | 76.433 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 8.992 | 196 | 166573 | 45.149 | ng | | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.045 | 196 | 171660 | 44.687 | ng | # | 95 |
| 46) 1,1'-Biphenyl | 9.169 | 154 | 674589 | 46.126 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.192 | 162 | 530503 | 46.611 | ng | | 98 |
| 48) 2-Nitroaniline | 9.304 | 65 | 194071 | 47.923 | ng | | 98 |
| 49) Acenaphthylene | 9.610 | 152 | 844012 | 49.372 | ng | | 100 |
| 50) Dimethylphthalate | 9.480 | 163 | 634217 | 47.409 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.545 | 165 | 136365 | 48.666 | ng | # | 80 |
| 52) Acenaphthene | 9.780 | 154 | 486121 | 47.065 | ng | | 99 |
| 53) 3-Nitroaniline | 9.716 | 138 | 104172 | 33.769 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.839 | 184 | 112325 | 82.112 | ng | | 87 |
| 55) Dibenzofuran | 9.951 | 168 | 723257 | 45.206 | ng | | 93 |
| 56) 4-Nitrophenol | 9.916 | 139 | 112430 | 101.606 | ng | | 80 |
| 57) 2,4-Dinitrotoluene | 9.957 | 165 | 179109 | 48.620 | ng | # | 85 |
| 58) Fluorene | 10.298 | 166 | 589004 | 46.769 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.080 | 232 | 135085 | 48.260 | ng | | 96 |
| 60) Diethylphthalate | 10.180 | 149 | 618016 | 47.463 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.286 | 204 | 294032 | 45.780 | ng | | 91 |
| 62) 4-Nitroaniline | 10.339 | 138 | 130582 | 44.841 | ng | | 88 |
| 63) Azobenzene | 10.451 | 77 | 613727 | 46.026 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.369 | 198 | 91340 | 42.368 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.416 | 169 | 543771 | 47.025 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.774 | 248 | 187795 | 45.490 | ng | | 93 |
| 68) Hexachlorobenzene | 10.845 | 284 | 217185 | 47.757 | ng | | 93 |
| 69) Atrazine | 10.945 | 200 | 184093 | 53.084 | ng | | 97 |
| 70) Pentachlorophenol | 11.051 | 266 | 94998 | 88.749 | ng | | 98 |
| 71) Phenanthrene | 11.257 | 178 | 874549 | 46.908 | ng | | 98 |
| 72) Anthracene | 11.310 | 178 | 891949 | 47.960 | ng | | 99 |
| 73) Carbazole | 11.474 | 167 | 793655 | 45.031 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.798 | 149 | 946620 | 47.306 | ng | | 99 |
| 75) Fluoranthene | 12.451 | 202 | 943565 | 49.246 | ng | | 95 |
| 77) Benzidine | 12.574 | 184 | 357377 | Below Cal | | | 98 |
| 78) Pyrene | 12.680 | 202 | 964891 | 49.076 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.298 | 149 | 387400 | 49.153 | ng | | 92 |
| 81) Benzo(a)anthracene | 13.868 | 228 | 811191 | 47.542 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.833 | 252 | 184386 | 47.681 | ng | # | 97 |
| 83) Chrysene | 13.910 | 228 | 768101 | 47.065 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.851 | 149 | 505096 | 49.373 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.468 | 149 | 779796 | 49.508 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.715 | 276 | 575269 | 47.629 | ng | # | 93 |
| 88) Benzo(b)fluoranthene | 14.904 | 252 | 683591m | 54.723 | ng | | |
| 89) Benzo(k)fluoranthene | 14.927 | 252 | 596757 | 48.493 | ng | # | 98 |
| 90) Benzo(a)pyrene | 15.251 | 252 | 597374 | 58.939 | ng | # | 97 |
| 91) Dibenzo(a,h)anthracene | 16.721 | 278 | 500073 | 50.245 | ng | # | 97 |
| 92) Benzo(g,h,i)perylene | 17.139 | 276 | 501020 | 50.703 | ng | # | 93 |

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

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