Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061722\
Data File : BF128865.D
Acq On : 17 Jun 2022 20:41
Operator : CG\JU
Sample : N3383-02MS 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RB-03-(0-3.5)MS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 06/20/2022
Supervised By :Jagrut Upadhyay 06/20/2022

Quant Time: Jun 18 05:07:50 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 14 14:53:53 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.781 | 152 | 96012 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.069 | 136 | 320804 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 9.822 | 164 | 128411 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 239956 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 13.962 | 240 | 160540 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.421 | 264 | 120886 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 218676 | 36.278 | ng | | 0.00 |
| 7) Phenol-d6 | 6.439 | 99 | 266039 | 36.157 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.345 | 82 | 182328 | 26.461 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.616 | 330 | 45350 | 29.890 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.139 | 172 | 304841 | 33.254 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.898 | 244 | 285364 | 30.887 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.499 | 88 | 40116 | 17.927 | ng | # | 95 |
| 3) Pyridine | 3.234 | 79 | 112202 | 18.875 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.181 | 42 | 75808 | 18.389 | ng | # | 80 |
| 6) Aniline | 6.445 | 93 | 141322 | 17.809 | ng | # | 66 |
| 8) 2-Chlorophenol | 6.581 | 128 | 126524 | 20.513 | ng | | 99 |
| 9) Benzaldehyde | 6.334 | 77 | 94923 | 21.176 | ng | | 97 |
| 10) Phenol | 6.451 | 94 | 166765 | 21.441 | ng | # | 67 |
| 11) bis(2-Chloroethyl)ether | 6.516 | 93 | 120518 | 21.146 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.722 | 146 | 147086 | 20.628 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.798 | 146 | 149120 | 20.707 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.951 | 146 | 138748 | 20.597 | ng | | 98 |
| 15) Benzyl Alcohol | 6.928 | 79 | 118324 | 19.220 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063 | 45 | 194400 | 20.702 | ng | # | 45 |
| 17) 2-Methylphenol | 7.057 | 107 | 98871 | 20.282 | ng | # | 83 |
| 18) Hexachloroethane | 7.292 | 117 | 34381 | 12.832 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.192 | 70 | 95713 | 20.922 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.210 | 107 | 131155 | 20.153 | ng | # | 79 |
| 22) Acetophenone | 7.192 | 105 | 188462 | 22.461 | ng | # | 96 |
| 24) Nitrobenzene | 7.369 | 77 | 138187 | 21.845 | ng | | 96 |
| 25) Isophorone | 7.604 | 82 | 234490 | 22.407 | ng | | 95 |
| 26) 2-Nitrophenol | 7.686 | 139 | 56192 | 20.161 | ng | # | 95 |
| 27) 2,4-Dimethylphenol | 7.733 | 122 | 102709 | 24.192 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 7.816 | 93 | 139549 | 21.094 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.939 | 162 | 95832 | 19.503 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.010 | 180 | 106550 | 19.258 | ng | | 98 |
| 31) Naphthalene | 8.092 | 128 | 525471 | 31.917 | ng | | 98 |
| 32) Benzoic acid | 7.851 | 122 | 19214m | 6.379 | ng | | |
| 33) 4-Chloroaniline | 8.139 | 127 | 97539 | 15.714 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.204 | 225 | 75491 | 19.239 | ng | | 98 |
| 35) Caprolactam | 8.504 | 113 | 27079 | 19.929 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.645 | 107 | 96279 | 17.954 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.780 | 142 | 326641 | 31.192 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.880 | 142 | 287611 | 28.427 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.945 | 216 | 103792 | 26.026 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.069 | 196 | 60033 | 22.260 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 9.122 | 196 | 62074 | 22.272 | ng | # | 95 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 9.245 | 154 | 228642 | 23.731 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.269 | 162 | 159317 | 21.670 | ng | | 99 |
| 48) 2-Nitroaniline | 9.369 | 65 | 57131 | 22.725 | ng | | 92 |
| 49) Acenaphthylene | 9.686 | 152 | 299734 | 26.631 | ng | | 100 |
| 50) Dimethylphthalate | 9.545 | 163 | 197098 | 22.424 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.610 | 165 | 37285 | 21.493 | ng | # | 75 |
| 52) Acenaphthene | 9.857 | 154 | 169244 | 23.091 | ng | | 98 |
| 53) 3-Nitroaniline | 9.780 | 138 | 40980 | 21.766 | ng | | 99 |
| 55) Dibenzofuran | 10.027 | 168 | 237867 | 22.581 | ng | | 92 |
| 56) 4-Nitrophenol | 9.980 | 139 | 40376 | 29.584 | ng | # | 74 |
| 57) 2,4-Dinitrotoluene | 10.022 | 165 | 48737 | 21.051 | ng | # | 92 |
| 58) Fluorene | 10.374 | 166 | 251018 | 30.727 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232 | 36229 | 15.738 | ng | # | 96 |
| 60) Diethylphthalate | 10.245 | 149 | 182825 | 20.696 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204 | 85215 | 20.111 | ng | | 93 |
| 62) 4-Nitroaniline | 10.392 | 138 | 44353 | 23.266 | ng | # | 84 |
| 63) Azobenzene | 10.522 | 77 | 163546 | 18.806 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.480 | 169 | 158346 | 21.469 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248 | 54131 | 20.229 | ng | | 96 |
| 68) Hexachlorobenzene | 10.922 | 284 | 59391 | 19.985 | ng | | 97 |
| 69) Atrazine | 11.016 | 200 | 53961 | 22.751 | ng | | 97 |
| 70) Pentachlorophenol | 11.133 | 266 | 25381 | 17.109 | ng | | 95 |
| 71) Phenanthrene | 11.339 | 178 | 750248 | 62.335 | ng | | 99 |
| 72) Anthracene | 11.392 | 178 | 366607 | 30.774 | ng | | 99 |
| 73) Carbazole | 11.551 | 167 | 249927 | 22.588 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.874 | 149 | 286883 | 21.295 | ng | | 99 |
| 75) Fluoranthene | 12.533 | 202 | 881778 | 70.089 | ng | | 98 |
| 77) Benzidine | 12.657 | 184 | 186184 | 58.177 | ng | | 96 |
| 78) Pyrene | 12.768 | 202 | 914885 | 76.597 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.380 | 149 | 122089 | 24.340 | ng | | 85 |
| 81) Benzo(a)anthracene | 13.957 | 228 | 462555 | 46.223 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 13.915 | 252 | 74456 | 34.778 | ng | | 96 |
| 83) Chrysene | 13.992 | 228 | 416664 | 43.673 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.939 | 149 | 157486 | 24.151 | ng | # | 97 |
| 85) Di-n-octyl phthalate | 14.551 | 149 | 220660 | 22.467 | ng | # | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.880 | 276 | 215581 | 29.588 | ng | # | 90 |
| 88) Benzo(b)fluoranthene | 15.004 | 252 | 361806 | 46.839 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 15.027 | 252 | 229035m | 31.520 | ng | | |
| 90) Benzo(a)pyrene | 15.362 | 252 | 281899 | 46.433 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 16.886 | 278 | 143441 | 23.734 | ng | # | 93 |
| 92) Benzo(g,h,i)perylene | 17.321 | 276 | 184973 | 30.881 | ng | # | 92 |

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

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