Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
Data File : BF128093.D
Acq On : 05 May 2022 14:33
Operator : CG\JU
Sample : PB144601BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 05 18:00:08 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 05 17:56:23 2022
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB144601BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.904 | 152 | 104912 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.192 | 136 | 416268 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.951 | 164 | 236591 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.445 | 188 | 442412 | 20.000 | ng | # 0.00 |
| 76) Chrysene-d12 | 14.092 | 240 | 310461 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.592 | 264 | 244094 | 20.000 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.546 | 112 | 715702 | 108.659 | ng | 0.01 |
| 7) Phenol-d6 | 6.545 | 99 | 929216 | 108.722 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.475 | 82 | 678323 | 76.627 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.745 | 330 | 288799 | 121.258 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.269 | 172 | 1104487 | 78.976 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.027 | 244 | 1360429 | 80.127 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.834 | 88 | 90653 | 28.846 | ng | 98 |
| 3) Pyridine | 3.587 | 79 | 246473 | 30.609 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.552 | 42 | 154499 | 39.639 | ng | 99 |
| 6) Aniline | 6.575 | 93 | 375461 | 36.975 | ng | 100 |
| 8) 2-Chlorophenol | 6.693 | 128 | 278373 | 40.720 | ng | 99 |
| 9) Benzaldehyde | 6.463 | 77 | 183266 | 34.662 | ng | 96 |
| 10) Phenol | 6.557 | 94 | 344619m | 39.979 | ng | |
| 11) bis(2-Chloroethyl)ether | 6.645 | 93 | 280596 | 39.241 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.845 | 146 | 299760 | 38.093 | ng | 95 |
| 13) 1,4-Dichlorobenzene | 6.928 | 146 | 304813 | 38.806 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.075 | 146 | 293604 | 40.378 | ng | 99 |
| 15) Benzyl Alcohol | 7.051 | 79 | 272805 | 46.938 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.175 | 45 | 410015 | 37.517 | ng | 99 |
| 17) 2-Methylphenol | 7.157 | 107 | 229054 | 38.833 | ng | 97 |
| 18) Hexachloroethane | 7.416 | 117 | 116462 | 40.331 | ng | 95 |
| 19) n-Nitroso-di-n-propyla... | 7.322 | 70 | 211336 | 40.394 | ng | 98 |
| 20) 3+4-Methylphenols | 7.310 | 107 | 274317 | 38.498 | ng | 90 |
| 22) Acetophenone | 7.322 | 105 | 389210 | 38.362 | ng | 97 |
| 24) Nitrobenzene | 7.492 | 77 | 333730 | 39.124 | ng | 99 |
| 25) Isophorone | 7.734 | 82 | 600036 | 40.274 | ng | 99 |
| 26) 2-Nitrophenol | 7.810 | 139 | 147837 | 40.672 | ng | 92 |
| 27) 2,4-Dimethylphenol | 7.840 | 122 | 248512 | 41.161 | ng | 96 |
| 28) bis(2-Chloroethoxy)met... | 7.939 | 93 | 343322 | 35.956 | ng | 97 |
| 29) 2,4-Dichlorophenol | 8.051 | 162 | 231872 | 36.659 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.128 | 180 | 262310 | 36.509 | ng | 99 |
| 31) Naphthalene | 8.216 | 128 | 785096 | 37.031 | ng | 100 |
| 32) Benzoic acid | 7.975 | 122 | 133675 | 30.890 | ng | 95 |
| 33) 4-Chloroaniline | 8.263 | 127 | 251140 | 29.938 | ng | 99 |
| 34) Hexachlorobutadiene | 8.322 | 225 | 174076 | 38.465 | ng | 97 |
| 35) Caprolactam | 8.639 | 113 | 76350m | 37.395 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.745 | 107 | 255447 | 37.815 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.904 | 142 | 531305 | 37.919 | ng | 97 |
| 38) 1-Methylnaphthalene | 9.004 | 142 | 504842 | 37.068 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.069 | 216 | 260777 | 37.395 | ng | 98 |
| 41) Hexachlorocyclopentadiene | 9.051 | 237 | 311993 | 82.577 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.181 | 196 | 169213 | 36.877 | ng | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.228 | 196 | 181023 | 36.291 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.369 | 154 | 654225 | 37.330 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.398 | 162 | 484128 | 36.287 | ng | | 99 |
| 48) 2-Nitroaniline | 9.498 | 65 | 178696 | 39.596 | ng | | 97 |
| 49) Acenaphthylene | 9.816 | 152 | 782968 | 38.366 | ng | | 100 |
| 50) Dimethylphthalate | 9.669 | 163 | 581069 | 36.621 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.739 | 165 | 136514 | 39.737 | ng | | 94 |
| 52) Acenaphthene | 9.986 | 154 | 566719m | 41.305 | ng | | |
| 53) 3-Nitroaniline | 9.910 | 138 | 112406 | 29.465 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 10.022 | 184 | 149324 | 82.535 | ng | | 91 |
| 55) Dibenzofuran | 10.157 | 168 | 712265 | 35.982 | ng | | 98 |
| 56) 4-Nitrophenol | 10.075 | 139 | 197665 | 67.855 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 10.145 | 165 | 182441 | 40.092 | ng | # | 89 |
| 58) Fluorene | 10.504 | 166 | 558288 | 37.796 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.275 | 232 | 152825 | 36.434 | ng | | 98 |
| 60) Diethylphthalate | 10.369 | 149 | 581052 | 37.345 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.492 | 204 | 272752 | 37.159 | ng | | 99 |
| 62) 4-Nitroaniline | 10.528 | 138 | 141051 | 37.819 | ng | | 95 |
| 63) Azobenzene | 10.651 | 77 | 624670 | 36.486 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.551 | 198 | 102650 | 39.049 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 10.610 | 169 | 491391 | 35.696 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.980 | 248 | 178639 | 36.424 | ng | | 99 |
| 68) Hexachlorobenzene | 11.051 | 284 | 199750 | 38.657 | ng | # | 88 |
| 69) Atrazine | 11.139 | 200 | 178646 | 41.968 | ng | | 99 |
| 70) Pentachlorophenol | 11.245 | 266 | 200090 | 65.822 | ng | | 98 |
| 71) Phenanthrene | 11.469 | 178 | 850447 | 36.723 | ng | | 100 |
| 72) Anthracene | 11.522 | 178 | 860442 | 37.299 | ng | | 99 |
| 73) Carbazole | 11.675 | 167 | 784848 | 35.300 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.998 | 149 | 938523 | 37.540 | ng | | 99 |
| 75) Fluoranthene | 12.663 | 202 | 913289 | 37.471 | ng | | 96 |
| 77) Benzidine | 12.780 | 184 | 452550 | 77.038 | ng | | 99 |
| 78) Pyrene | 12.892 | 202 | 934318 | 37.280 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.498 | 149 | 386415 | 39.337 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.080 | 228 | 789112 | 38.134 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.039 | 252 | 199077 | 30.299 | ng | | 99 |
| 83) Chrysene | 14.121 | 228 | 731071 | 36.992 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.051 | 149 | 517833 | 39.752 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.668 | 149 | 794903 | 39.376 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.121 | 276 | 576495 | 35.384 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.145 | 252 | 660476 | 43.080 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.180 | 252 | 596597 | 38.625 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.527 | 252 | 581414 | 45.719 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.139 | 278 | 497660 | 38.086 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.592 | 276 | 507092 | 36.825 | ng | | 96 |

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

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