Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141502.D
Acq On : 07 Feb 2025 12:32
Operator : RC/JU
Sample : PB166567BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 07 13:02:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB166567BSD

**Manual Integrations APPROVED**

Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 84896 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.069 | 136 | 345705 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 190426 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 334349 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 13.957 | 240 | 235381 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.410 | 264 | 189950 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 741877 | 137.000 | ng | 0.01 |
| 7) Phenol-d6 | 6.434 | 99 | 922834 | 134.832 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 612839 | 92.462 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 263972 | 137.995 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 1146843 | 92.785 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.904 | 244 | 1370670 | 98.306 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.587 | 88 | 90791 | 41.657 | ng | 99 |
| 3) Pyridine | 3.316 | 79 | 213018 | 41.073 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.263 | 42 | 147515 | 42.956 | ng | 100 |
| 6) Aniline | 6.451 | 93 | 229878 | 35.805 | ng | 92 |
| 8) 2-Chlorophenol | 6.575 | 128 | 264156 | 45.145 | ng | 99 |
| 9) Benzaldehyde | 6.340 | 77 | 182553 | 50.192 | ng | 98 |
| 10) Phenol | 6.445 | 94 | 313580 | 44.020 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 236451 | 44.191 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 269319 | 43.598 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.804 | 146 | 275542 | 43.657 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 6.957 | 146 | 263017 | 44.900 | ng | 99 |
| 15) Benzyl Alcohol | 6.934 | 79 | 226343 | 43.125 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063 | 45 | 403966 | 44.105 | ng | 84 |
| 17) 2-Methylphenol | 7.051 | 107 | 203861 | 44.521 | ng | 98 |
| 18) Hexachloroethane | 7.298 | 117 | 105665 | 45.237 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.204 | 70 | 181427 | 44.315 | ng | 100 |
| 20) 3+4-Methylphenols | 7.204 | 107 | 264276 | 45.414 | ng | 98 |
| 22) Acetophenone | 7.198 | 105 | 403625 | 46.935 | ng | 99 |
| 24) Nitrobenzene | 7.375 | 77 | 278874 | 43.148 | ng | 99 |
| 25) Isophorone | 7.610 | 82 | 490509 | 46.414 | ng | 99 |
| 26) 2-Nitrophenol | 7.687 | 139 | 141721 | 44.074 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.728 | 122 | 209718 | 55.829 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.822 | 93 | 297572 | 43.942 | ng | 99 |
| 29) 2,4-Dichlorophenol | 7.934 | 162 | 220070 | 43.360 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.010 | 180 | 237143 | 42.906 | ng | 99 |
| 31) Naphthalene | 8.092 | 128 | 756556 | 42.042 | ng | 100 |
| 32) Benzoic acid | 7.863 | 122 | 183144 | 46.938 | ng | 98 |
| 33) 4-Chloroaniline | 8.145 | 127 | 103836 | 16.527 | ng | 97 |
| 34) Hexachlorobutadiene | 8.210 | 225 | 143575 | 43.271 | ng | 98 |
| 35) Caprolactam | 8.516 | 113 | 76513m | 49.512 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.634 | 107 | 244926 | 43.564 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.787 | 142 | 483722 | 41.308 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.881 | 142 | 469009 | 41.353 | ng | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.951 | 216 | 261229 | 47.416 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 8.939 | 237 | 290884 | 158.743 | ng | 97 |
| 43) 2,4,6-Trichlorophenol | 9.063 | 196 | 155219 | 43.592 | ng | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 166752 | 43.211 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.251 | 154 | 691703 | 46.853 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.275 | 162 | 481653 | 44.119 | ng | 98 |
| 48) 2-Nitroaniline | 9.369 | 65 | 163115 | 44.521 | ng | 97 |
| 49) Acenaphthylene | 9.686 | 152 | 738260 | 45.465 | ng | 100 |
| 50) Dimethylphthalate | 9.551 | 163 | 565865 | 43.772 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.616 | 165 | 124153 | 43.932 | ng | 100 |
| 52) Acenaphthene | 9.863 | 154 | 463315 | 42.441 | ng | 99 |
| 53) 3-Nitroaniline | 9.781 | 138 | 68550 | 22.537 | ng | 97 |
| 54) 2,4-Dinitrophenol | 9.898 | 184 | 164968 | 98.219 | ng | 95 |
| 55) Dibenzofuran | 10.033 | 168 | 670050 | 41.817 | ng | 100 |
| 56) 4-Nitrophenol | 9.963 | 139 | 214465 | 94.983 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 10.022 | 165 | 175190 | 46.566 | ng | 98 |
| 58) Fluorene | 10.375 | 166 | 533385 | 43.052 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232 | 146865 | 44.205 | ng | 97 |
| 60) Diethylphthalate | 10.251 | 149 | 545278 | 42.871 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204 | 256786 | 43.082 | ng | 99 |
| 62) 4-Nitroaniline | 10.404 | 138 | 127085 | 41.147 | ng | 99 |
| 63) Azobenzene | 10.528 | 77 | 530524 | 41.957 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.428 | 198 | 104179 | 44.855 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 10.492 | 169 | 470625 | 43.972 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248 | 162438 | 43.470 | ng | 97 |
| 68) Hexachlorobenzene | 10.922 | 284 | 171632 | 44.604 | ng | 98 |
| 69) Atrazine | 11.022 | 200 | 179738 | 55.978 | ng | 99 |
| 70) Pentachlorophenol | 11.122 | 266 | 214347 | 87.118 | ng | 100 |
| 71) Phenanthrene | 11.339 | 178 | 805732 | 43.779 | ng | 100 |
| 72) Anthracene | 11.392 | 178 | 836681 | 45.224 | ng | 100 |
| 73) Carbazole | 11.545 | 167 | 729093 | 43.797 | ng | 100 |
| 74) Di-n-butylphthalate | 11.880 | 149 | 843535 | 43.885 | ng | 100 |
| 75) Fluoranthene | 12.527 | 202 | 847916 | 43.456 | ng | 100 |
| 77) Benzidine | 12.651 | 184 | 310473 | 59.808 | ng | 99 |
| 78) Pyrene | 12.757 | 202 | 883274 | 44.082 | ng | 100 |
| 80) Butylbenzylphthalate | 13.380 | 149 | 339236 | 48.879 | ng | 99 |
| 81) Benzo(a)anthracene | 13.945 | 228 | 721820 | 46.133 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.910 | 252 | 134663 | 30.045 | ng | 100 |
| 83) Chrysene | 13.986 | 228 | 616524 | 42.674 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.939 | 149 | 419441 | 53.585 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.557 | 149 | 571019 | 51.136 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.857 | 276 | 533785 | 45.480 | ng | 99 |
| 88) Benzo(b)fluoranthene | 14.992 | 252 | 517921 | 40.608 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.021 | 252 | 523291 | 48.048 | ng | 99 |
| 90) Benzo(a)pyrene | 15.351 | 252 | 486823 | 47.171 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.868 | 278 | 433758 | 45.610 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.286 | 276 | 415345 | 41.735 | ng | 99 |

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

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