Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141364.D
Acq On : 03 Feb 2025 12:44
Operator : RC/JU
Sample : PB166468BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 03 13:04:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB166468BSD

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.798 | 152 | 92246 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.081 | 136 | 377694 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.833 | 164 | 203609 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.321 | 188 | 343734 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.963 | 240 | 243486 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 15.421 | 264 | 234414 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 546522 | 90.955 | ng | | 0.01 |
| 7) Phenol-d6 | 6.439 | 99 | 661544 | 86.546 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 642716 | 89.707 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.627 | 330 | 179421 | 96.121 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.157 | 172 | 1187345 | 89.758 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.910 | 244 | 1315661 | 83.331 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.563 | 88 | 110356 | 41.760 | ng | | 99 |
| 3) Pyridine | 3.293 | 79 | 255116 | 40.068 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.240 | 42 | 167602 | 46.079 | ng | | 94 |
| 6) Aniline | 6.457 | 93 | 267476 | 41.338 | ng | # | 32 |
| 8) 2-Chlorophenol | 6.587 | 128 | 279168 | 43.347 | ng | | 97 |
| 9) Benzaldehyde | 6.345 | 77 | 225965 | 51.036 | ng | | 99 |
| 10) Phenol | 6.451 | 94 | 340789 | 42.058 | ng | # | 69 |
| 11) bis(2-Chloroethyl)ether | 6.534 | 93 | 259872 | 41.828 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.739 | 146 | 286427 | 40.336 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.816 | 146 | 290586 | 40.734 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.963 | 146 | 280032 | 41.921 | ng | | 100 |
| 15) Benzyl Alcohol | 6.939 | 79 | 245815 | 47.057 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075 | 45 | 442997 | 41.005 | ng | | 75 |
| 17) 2-Methylphenol | 7.063 | 107 | 218408 | 41.727 | ng | # | 90 |
| 18) Hexachloroethane | 7.310 | 117 | 109768 | 41.710 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.210 | 70 | 195251 | 42.988 | ng | | 100 |
| 20) 3+4-Methylphenols | 7.216 | 107 | 286970 | 44.652 | ng | # | 83 |
| 22) Acetophenone | 7.204 | 105 | 425016 | 47.341 | ng | # | 96 |
| 24) Nitrobenzene | 7.381 | 77 | 294998 | 39.732 | ng | | 99 |
| 25) Isophorone | 7.616 | 82 | 526883 | 42.543 | ng | | 98 |
| 26) 2-Nitrophenol | 7.692 | 139 | 146508 | 41.840 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.739 | 122 | 235515m | 52.842 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 7.828 | 93 | 324070 | 41.022 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.945 | 162 | 229279 | 42.020 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.022 | 180 | 244875 | 39.298 | ng | | 100 |
| 31) Naphthalene | 8.098 | 128 | 800918 | 40.141 | ng | | 100 |
| 32) Benzoic acid | 7.863 | 122 | 191082 | 46.637 | ng | | 98 |
| 33) 4-Chloroaniline | 8.151 | 127 | 131775 | 19.476 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.216 | 225 | 147922 | 40.479 | ng | | 99 |
| 35) Caprolactam | 8.516 | 113 | 80262m | 45.041 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.645 | 107 | 253967 | 43.393 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.792 | 142 | 507995 | 40.058 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.892 | 142 | 500486 | 40.177 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.957 | 216 | 271467 | 46.866 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.945 | 237 | 320846 | 187.555 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.075 | 196 | 164100 | 43.283 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.122 | 196 | 178649 | 43.293 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.257 | 154 | 735017 | 46.289 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.280 | 162 | 501873 | 40.549 | ng | 99 |
| 48) 2-Nitroaniline | 9.375 | 65 | 170006 | 43.669 | ng | 96 |
| 49) Acenaphthylene | 9.698 | 152 | 788250 | 45.497 | ng | 100 |
| 50) Dimethylphthalate | 9.557 | 163 | 589543 | 42.871 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.622 | 165 | 130295 | 40.807 | ng | 99 |
| 52) Acenaphthene | 9.869 | 154 | 588646m | 47.559 | ng | |
| 53) 3-Nitroaniline | 9.786 | 138 | 74473 | 23.797 | ng | 96 |
| 54) 2,4-Dinitrophenol | 9.898 | 184 | 155968 | 105.080 | ng | 94 |
| 55) Dibenzofuran | 10.039 | 168 | 709857 | 42.846 | ng | 98 |
| 56) 4-Nitrophenol | 9.969 | 139 | 226393 | 98.918 | ng | 93 |
| 57) 2,4-Dinitrotoluene | 10.022 | 165 | 179950 | 43.529 | ng | 95 |
| 58) Fluorene | 10.386 | 166 | 553666 | 43.083 | ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232 | 150622 | 46.397 | ng | 98 |
| 60) Diethylphthalate | 10.257 | 149 | 580043 | 43.502 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.374 | 204 | 269308 | 42.901 | ng | 98 |
| 62) 4-Nitroaniline | 10.404 | 138 | 134490 | 43.712 | ng | 96 |
| 63) Azobenzene | 10.533 | 77 | 570513 | 42.745 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198 | 101114 | 49.732 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 10.498 | 169 | 493450 | 44.385 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248 | 166220 | 43.194 | ng | 98 |
| 68) Hexachlorobenzene | 10.933 | 284 | 175203 | 42.921 | ng | 97 |
| 69) Atrazine | 11.027 | 200 | 184369 | 49.599 | ng | 100 |
| 70) Pentachlorophenol | 11.133 | 266 | 222097 | 92.914 | ng | 98 |
| 71) Phenanthrene | 11.345 | 178 | 828491 | 44.839 | ng | 99 |
| 72) Anthracene | 11.398 | 178 | 851738 | 47.046 | ng | 100 |
| 73) Carbazole | 11.551 | 167 | 742030 | 46.223 | ng | 99 |
| 74) Di-n-butylphthalate | 11.886 | 149 | 882495 | 45.361 | ng | 99 |
| 75) Fluoranthene | 12.533 | 202 | 864959 | 47.410 | ng | 99 |
| 77) Benzidine | 12.657 | 184 | 365599 | 46.837 | ng | 99 |
| 78) Pyrene | 12.763 | 202 | 878288 | 37.578 | ng | 99 |
| 80) Butylbenzylphthalate | 13.386 | 149 | 351233 | 43.015 | ng | 99 |
| 81) Benzo(a)anthracene | 13.951 | 228 | 679307 | 40.430 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.915 | 252 | 131566 | 24.620 | ng | 100 |
| 83) Chrysene | 13.992 | 228 | 663360 | 43.080 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149 | 464794 | 44.873 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.568 | 149 | 757337 | 47.075 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.874 | 276 | 709714 | 46.909 | ng | 98 |
| 88) Benzo(b)fluoranthene | 15.004 | 252 | 683657 | 46.365 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.033 | 252 | 543607 | 41.616 | ng | 99 |
| 90) Benzo(a)pyrene | 15.362 | 252 | 588326 | 47.216 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.892 | 278 | 577441 | 47.439 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.309 | 276 | 556775 | 43.990 | ng | 98 |

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

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