Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142914.D
Acq On : 30 Jun 2025 13:17
Operator : RC/JU
Sample : Q2430-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MH-E/FMSD

Quant Time: Jun 30 13:49:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 110394 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 429125 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 237255 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.416 | 188 | 439577 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.063 | 240 | 267586 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.551 | 264 | 284395 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.522 | 112 | 589585 | 88.919 | ng | | 0.03 |
| 7) Phenol-d6 | 6.522 | 99 | 718865 | 91.894 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 446908 | 57.124 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.716 | 330 | 251453 | 102.991 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 964853 | 53.424 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 1063719 | 54.926 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.828 | 88 | 97687 | 36.834 | ng | | 98 |
| 3) Pyridine | 3.569 | 79 | 262762 | 39.521 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.534 | 42 | 144546 | 42.042 | ng | | 99 |
| 6) Aniline | 6.545 | 93 | 302665 | 29.078 | ng | # | 69 |
| 8) 2-Chlorophenol | 6.669 | 128 | 317052 | 44.327 | ng | | 98 |
| 9) Benzaldehyde | 6.434 | 77 | 132287 | 28.503 | ng | | 100 |
| 10) Phenol | 6.534 | 94 | 365970 | 42.087 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 272133 | 43.787 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 336218 | 42.031 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 339085 | 42.015 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 324004 | 42.326 | ng | | 99 |
| 15) Benzyl Alcohol | 7.028 | 79 | 258053 | 45.630 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 393052 | 39.364 | ng | | 71 |
| 17) 2-Methylphenol | 7.139 | 107 | 240647 | 44.398 | ng | | 95 |
| 18) Hexachloroethane | 7.392 | 117 | 121020 | 42.871 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.298 | 70 | 205016 | 45.061 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.292 | 107 | 303469 | 44.904 | ng | | 99 |
| 22) Acetophenone | 7.292 | 105 | 412283 | 43.568 | ng | # | 98 |
| 24) Nitrobenzene | 7.463 | 77 | 302074 | 42.660 | ng | | 99 |
| 25) Isophorone | 7.704 | 82 | 561857 | 44.769 | ng | | 100 |
| 26) 2-Nitrophenol | 7.781 | 139 | 178819 | 46.358 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.822 | 122 | 292307 | 43.748 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 348800 | 43.716 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.028 | 162 | 270738 | 44.689 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 285079 | 42.793 | ng | | 99 |
| 31) Naphthalene | 8.186 | 128 | 898275 | 42.765 | ng | | 100 |
| 32) Benzoic acid | 7.957 | 122 | 144109 | 42.317 | ng | | 97 |
| 33) 4-Chloroaniline | 8.234 | 127 | 117242 | 13.727 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 175332 | 43.028 | ng | | 99 |
| 35) Caprolactam | 8.628 | 113 | 78994m | 49.413 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.722 | 107 | 285073 | 47.347 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 569691 | 43.747 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.981 | 142 | 591674 | 43.891 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 292815 | 41.827 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.028 | 237 | 307393 | 77.376 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 198396 | 43.491 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.204 | 196 | 212273 | 44.205 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.345 | 154 | 779647 | 41.599 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.369 | 162 | 589551 | 41.918 | ng | | 99 |
| 48) 2-Nitroaniline | 9.469 | 65 | 180886 | 45.875 | ng | | 95 |
| 49) Acenaphthylene | 9.786 | 152 | 977274 | 42.209 | ng | | 100 |
| 50) Dimethylphthalate | 9.651 | 163 | 721236 | 46.963 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.710 | 165 | 158408 | 46.968 | ng | | 97 |
| 52) Acenaphthene | 9.957 | 154 | 633829m | 44.869 | ng | | |
| 53) 3-Nitroaniline | 9.880 | 138 | 106442 | 28.665 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.992 | 184 | 110371 | 65.356 | ng | | 97 |
| 55) Dibenzofuran | 10.133 | 168 | 856627 | 42.289 | ng | | 100 |
| 56) 4-Nitrophenol | 10.057 | 139 | 268103 | 105.463 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.122 | 165 | 217368 | 48.521 | ng | # | 88 |
| 58) Fluorene | 10.475 | 166 | 690003 | 43.616 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232 | 180513 | 46.635 | ng | | 97 |
| 60) Diethylphthalate | 10.345 | 149 | 734120 | 48.753 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204 | 329879 | 43.698 | ng | | 98 |
| 62) 4-Nitroaniline | 10.504 | 138 | 176766 | 52.050 | ng | | 98 |
| 63) Azobenzene | 10.622 | 77 | 654963 | 48.667 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.533 | 198 | 101246 | 38.079 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.586 | 169 | 622140 | 40.837 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248 | 210753 | 42.127 | ng | | 99 |
| 68) Hexachlorobenzene | 11.022 | 284 | 232514 | 41.827 | ng | | 99 |
| 69) Atrazine | 11.116 | 200 | 213613 | 54.298 | ng | | 98 |
| 70) Pentachlorophenol | 11.222 | 266 | 229534 | 82.864 | ng | | 99 |
| 71) Phenanthrene | 11.439 | 178 | 1002078 | 42.083 | ng | | 99 |
| 72) Anthracene | 11.492 | 178 | 1029114 | 42.140 | ng | | 99 |
| 73) Carbazole | 11.645 | 167 | 959921 | 45.549 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.969 | 149 | 1187601 | 54.094 | ng | | 100 |
| 75) Fluoranthene | 12.627 | 202 | 1052967 | 46.594 | ng | | 99 |
| 77) Benzidine | 12.745 | 184 | 317334 | 31.564 | ng | | 100 |
| 78) Pyrene | 12.857 | 202 | 1050214 | 41.871 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.468 | 149 | 445864 | 61.282 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.051 | 228 | 793975 | 43.984 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.010 | 252 | 107304 | 18.326 | ng | | 99 |
| 83) Chrysene | 14.086 | 228 | 707737 | 43.938 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 570793 | 54.528 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.645 | 149 | 844081 | 42.763 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.068 | 276 | 655902 | 30.279 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.115 | 252 | 740550 | 45.001 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.145 | 252 | 727830 | 47.273 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.492 | 252 | 717112 | 45.107 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 17.086 | 278 | 540782 | 30.725 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.527 | 276 | 451541 | 25.727 | ng | | 98 |

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

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