Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142971.D
Acq On : 02 Jul 2025 15:17
Operator : RC/JU
Sample : Q2458-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-67MSD

Quant Time: Jul 02 15:48:04 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 | 6.875 | 152 | 56149 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 216831 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 113581 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 197962 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.056 | 240 | 113049 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 120474 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.492 | 112 | 252058 | 74.740 | ng | | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 304097 | 76.428 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.433 | 82 | 184481 | 46.667 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 95618 | 81.807 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 416800 | 48.207 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.992 | 244 | 381225 | 46.594 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.645 | 88 | 48397 | 35.879 | ng | | 98 |
| 3) Pyridine | 3.416 | 79 | 130811 | 38.682 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.363 | 42 | 72394 | 41.399 | ng | | 98 |
| 6) Aniline | 6.533 | 93 | 156171 | 29.498 | ng | # | 87 |
| 8) 2-Chlorophenol | 6.657 | 128 | 161846 | 44.488 | ng | | 98 |
| 9) Benzaldehyde | 6.422 | 77 | 65498 | 27.747 | ng | | 98 |
| 10) Phenol | 6.522 | 94 | 191654 | 43.333 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.604 | 93 | 138878 | 43.934 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 176063 | 43.274 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.892 | 146 | 177572 | 43.259 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 170609 | 43.819 | ng | | 100 |
| 15) Benzyl Alcohol | 7.016 | 79 | 129241 | 44.931 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145 | 45 | 208093 | 40.974 | ng | | 90 |
| 17) 2-Methylphenol | 7.128 | 107 | 122893 | 44.577 | ng | | 98 |
| 18) Hexachloroethane | 7.386 | 117 | 60864 | 42.391 | ng | | 94 |
| 19) n-Nitroso-di-n-propyla... | 7.286 | 70 | 102676 | 44.369 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.280 | 107 | 155844 | 45.339 | ng | | 93 |
| 22) Acetophenone | 7.280 | 105 | 213231 | 44.595 | ng | | 99 |
| 24) Nitrobenzene | 7.457 | 77 | 154127 | 43.077 | ng | | 98 |
| 25) Isophorone | 7.698 | 82 | 278962 | 43.991 | ng | | 99 |
| 26) 2-Nitrophenol | 7.775 | 139 | 89684 | 46.014 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 148069 | 43.858 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 174411 | 43.261 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 136833 | 44.700 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 146140 | 43.415 | ng | | 99 |
| 31) Naphthalene | 8.180 | 128 | 460550 | 43.393 | ng | | 100 |
| 32) Benzoic acid | 7.927 | 122 | 73378 | 42.643 | ng | | 97 |
| 33) 4-Chloroaniline | 8.227 | 127 | 78716 | 18.240 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.292 | 225 | 89607 | 43.520 | ng | | 99 |
| 35) Caprolactam | 8.604 | 113 | 41835m | 51.790 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 138688 | 45.586 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.874 | 142 | 289318 | 43.969 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.974 | 142 | 301963 | 44.331 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 148386 | 44.276 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 155705 | 81.870 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.151 | 196 | 96995 | 44.414 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.198 | 196 | 102673 | 44.662 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.333 | 154 | 402287 | 44.837 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 292943 | 43.508 | ng | | 99 |
| 48) 2-Nitroaniline | 9.463 | 65 | 87106 | 46.145 | ng | | 96 |
| 49) Acenaphthylene | 9.780 | 152 | 491743 | 44.365 | ng | | 99 |
| 50) Dimethylphthalate | 9.639 | 163 | 348094 | 47.346 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 76426 | 47.334 | ng | | 96 |
| 52) Acenaphthene | 9.951 | 154 | 325254m | 48.096 | ng | | |
| 53) 3-Nitroaniline | 9.869 | 138 | 48726 | 27.410 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.986 | 184 | 74821 | 92.547 | ng | | 95 |
| 55) Dibenzofuran | 10.121 | 168 | 439268 | 45.297 | ng | | 100 |
| 56) 4-Nitrophenol | 10.039 | 139 | 117590 | 96.622 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.110 | 165 | 105877 | 49.367 | ng | | 98 |
| 58) Fluorene | 10.468 | 166 | 349636 | 46.165 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 85167 | 45.961 | ng | | 97 |
| 60) Diethylphthalate | 10.339 | 149 | 351584 | 48.772 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 166362 | 46.033 | ng | | 99 |
| 62) 4-Nitroaniline | 10.486 | 138 | 79394 | 48.833 | ng | | 99 |
| 63) Azobenzene | 10.616 | 77 | 317643 | 49.302 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.521 | 198 | 53270 | 44.488 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.574 | 169 | 300816 | 43.845 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 100791 | 44.736 | ng | | 95 |
| 68) Hexachlorobenzene | 11.016 | 284 | 110539 | 44.155 | ng | | 98 |
| 69) Atrazine | 11.104 | 200 | 93920 | 53.011 | ng | | 99 |
| 70) Pentachlorophenol | 11.216 | 266 | 105114 | 84.262 | ng | | 100 |
| 71) Phenanthrene | 11.433 | 178 | 486722 | 45.388 | ng | | 99 |
| 72) Anthracene | 11.486 | 178 | 494071 | 44.924 | ng | | 100 |
| 73) Carbazole | 11.639 | 167 | 434982 | 45.832 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.963 | 149 | 540733 | 54.691 | ng | | 100 |
| 75) Fluoranthene | 12.621 | 202 | 458695 | 45.071 | ng | | 100 |
| 77) Benzidine | 12.745 | 184 | 136349 | 32.102 | ng | | 99 |
| 78) Pyrene | 12.851 | 202 | 450689 | 42.532 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.462 | 149 | 165587 | 53.871 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 350275 | 45.929 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.004 | 252 | 43306 | 17.507 | ng | # | 98 |
| 83) Chrysene | 14.080 | 228 | 308955 | 45.400 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 216038 | 48.850 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.639 | 149 | 333995 | 40.051 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.062 | 276 | 364964 | 39.772 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.109 | 252 | 330057 | 47.346 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.139 | 252 | 312488 | 47.913 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.486 | 252 | 311232 | 46.214 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.074 | 278 | 294876 | 39.549 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.521 | 276 | 286817 | 38.577 | ng | | 99 |

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

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