Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024711.D
Acq On : 20 May 2025 17:19
Operator : RC/JU
Sample : Q2071-13MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
L2-WC-5MSD

Quant Time: May 20 18:22:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.657 | 152 | 122975 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.422 | 136 | 491800 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.286 | 164 | 320946 | 20.000 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.086 | 188 | 665178 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.533 | 240 | 748102 | 20.000 | ng | | 0.01 |
| 86) Perylene-d12 | 24.809 | 264 | 853641 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.293 | 112 | 441613 | 61.421 | ng | | 0.00 |
| 7) Phenol-d6 | 6.857 | 99 | 567886 | 61.886 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.804 | 82 | 330842 | 33.990 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 398787 | 73.293 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.898 | 172 | 896144 | 36.581 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.821 | 244 | 1725728 | 39.555 | ng | | 0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.222 | 88 | 120614 | 35.725 | ng | | 96 |
| 3) Pyridine | 3.616 | 79 | 266405 | 35.586 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.528 | 42 | 130412 | 39.459 | ng | | 92 |
| 6) Aniline | 6.999 | 93 | 209263 | 17.663 | ng | | 99 |
| 8) 2-Chlorophenol | 7.234 | 128 | 349535 | 42.824 | ng | | 97 |
| 9) Benzaldehyde | 6.810 | 77 | 182676 | 30.753 | ng | | 98 |
| 10) Phenol | 6.887 | 94 | 380945 | 40.222 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.087 | 93 | 279363 | 35.897 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.546 | 146 | 380963 | 40.569 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.693 | 146 | 387988 | 41.080 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.004 | 146 | 370926 | 40.304 | ng | | 98 |
| 15) Benzyl Alcohol | 7.904 | 79 | 275301 | 39.479 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.175 | 45 | 330818 | 35.495 | ng | | 98 |
| 17) 2-Methylphenol | 8.116 | 107 | 275838 | 40.606 | ng | | 96 |
| 18) Hexachloroethane | 8.716 | 117 | 140181 | 38.732 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.457 | 70 | 217963 | 34.338 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.446 | 107 | 369819 | 40.022 | ng | | 94 |
| 22) Acetophenone | 8.475 | 105 | 484715 | 39.456 | ng | # | 99 |
| 24) Nitrobenzene | 8.846 | 77 | 327174 | 38.196 | ng | | 94 |
| 25) Isophorone | 9.369 | 82 | 624540 | 36.990 | ng | | 98 |
| 26) 2-Nitrophenol | 9.551 | 139 | 190629 | 45.417 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.622 | 122 | 318305 | 43.013 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.846 | 93 | 380446 | 37.716 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.104 | 162 | 329917 | 46.006 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.293 | 180 | 346405 | 42.866 | ng | | 97 |
| 31) Naphthalene | 10.475 | 128 | 1046009 | 41.043 | ng | | 100 |
| 32) Benzoic acid | 9.810 | 122 | 204555 | 40.996 | ng | | 95 |
| 33) 4-Chloroaniline | 10.598 | 127 | 140978 | 13.708 | ng | | 97 |
| 34) Hexachlorobutadiene | 10.757 | 225 | 233237 | 44.553 | ng | | 98 |
| 35) Caprolactam | 11.387 | 113 | 106892 | 41.198 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 11.740 | 107 | 371404 | 42.469 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.087 | 142 | 687037 | 41.633 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.310 | 142 | 728884 | 41.281 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.463 | 216 | 416739 | 44.715 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.434 | 237 | 526765 | 93.212 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 12.716 | 196 | 282795 | 46.847 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.810 | 196 | 311927 | 46.421 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.116 | 154 | 1027188 | 43.302 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.157 | 162 | 775224 | 42.861 | ng | | 99 |
| 48) 2-Nitroaniline | 13.369 | 65 | 234640 | 43.818 | ng | | 96 |
| 49) Acenaphthylene | 14.010 | 152 | 1315357 | 43.457 | ng | | 99 |
| 50) Dimethylphthalate | 13.751 | 163 | 1064030 | 43.496 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.869 | 165 | 229768 | 44.474 | ng | | 99 |
| 52) Acenaphthene | 14.351 | 154 | 743892 | 42.751 | ng | | 99 |
| 53) 3-Nitroaniline | 14.204 | 138 | 99383 | 18.840 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.434 | 184 | 285574 | 87.045 | ng | | 93 |
| 55) Dibenzofuran | 14.698 | 168 | 1180487 | 42.532 | ng | | 98 |
| 56) 4-Nitrophenol | 14.569 | 139 | 362287 | 79.362 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 14.675 | 165 | 330366 | 45.357 | ng | | 98 |
| 58) Fluorene | 15.351 | 166 | 988895 | 43.696 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.933 | 232 | 279069 | 44.770 | ng | | 98 |
| 60) Diethylphthalate | 15.128 | 149 | 1089311 | 44.058 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.351 | 204 | 501152 | 44.403 | ng | | 100 |
| 62) 4-Nitroaniline | 15.398 | 138 | 207069 | 40.652 | ng | | 98 |
| 63) Azobenzene | 15.651 | 77 | 958534 | 45.318 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 198 | 191651 | 44.605 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.569 | 169 | 863260 | 42.251 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.269 | 248 | 347577 | 44.345 | ng | | 96 |
| 68) Hexachlorobenzene | 16.386 | 284 | 435192 | 43.695 | ng | | 97 |
| 69) Atrazine | 16.557 | 200 | 339465 | 45.337 | ng | | 99 |
| 70) Pentachlorophenol | 16.745 | 266 | 562732 | 100.652 | ng | | 99 |
| 71) Phenanthrene | 17.133 | 178 | 1532792 | 41.451 | ng | | 100 |
| 72) Anthracene | 17.233 | 178 | 1576935 | 42.386 | ng | | 100 |
| 73) Carbazole | 17.516 | 167 | 1441608 | 42.811 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.098 | 149 | 1959105 | 45.238 | ng | | 100 |
| 75) Fluoranthene | 19.227 | 202 | 1858609 | 42.998 | ng | | 99 |
| 77) Benzidine | 19.433 | 184 | 704965 | 34.599 | ng | | 99 |
| 78) Pyrene | 19.604 | 202 | 1937316 | 43.220 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.557 | 149 | 915890 | 45.943 | ng | | 93 |
| 81) Benzo(a)anthracene | 21.510 | 228 | 2005440 | 42.692 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.439 | 252 | 461135 | 26.430 | ng | | 99 |
| 83) Chrysene | 21.580 | 228 | 1868642 | 41.964 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.445 | 149 | 1325702 | 45.244 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.692 | 149 | 2277377 | 47.529 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.539 | 276 | 2658846 | 42.664 | ng | # | 87 |
| 88) Benzo(b)fluoranthene | 23.774 | 252 | 2115032 | 43.287 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.845 | 252 | 2141971 | 42.543 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.668 | 252 | 2012486 | 42.886 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.592 | 278 | 2188260 | 43.161 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.680 | 276 | 2145626 | 42.556 | ng | | 98 |

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

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