Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090225\
Data File : BP025641.D
Acq On : 02 Sep 2025 16:56
Operator : CG/JU
Sample : Q2989-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SOUTH-TP-5MS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025

Quant Time: Sep 02 17:21:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.772 | 152 | 157447 | 20.000 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.537 | 136 | 620874 | 20.000 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.389 | 164 | 402678 | 20.000 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.189 | 188 | 815784 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.642 | 240 | 851929 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.006 | 264 | 966507 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.402 | 112 | 906274 | 95.591 | ng | | 0.00 |
| 7) Phenol-d6 | 6.960 | 99 | 1156387 | 95.136 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.913 | 82 | 732637 | 59.691 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.907 | 330 | 555675 | 102.522 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.995 | 172 | 1587906 | 53.893 | ng | | -0.02 |
| 79) Terphenyl-d14 | 19.907 | 244 | 2683647 | 57.633 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.319 | 88 | 160558 | 43.235 | ng | | 96 |
| 3) Pyridine | 3.713 | 79 | 440789 | 43.366 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.625 | 42 | 218616 | 52.170 | ng | | 95 |
| 6) Aniline | 7.107 | 93 | 428238 | 26.149 | ng | | 96 |
| 8) 2-Chlorophenol | 7.349 | 128 | 528084 | 49.360 | ng | | 98 |
| 9) Benzaldehyde | 6.925 | 77 | 209037 | 24.546 | ng | | 97 |
| 10) Phenol | 6.990 | 94 | 627071 | 49.165 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.196 | 93 | 456137 | 45.884 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.660 | 146 | 551396 | 46.740 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.807 | 146 | 557840 | 46.264 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.119 | 146 | 542597 | 46.487 | ng | | 99 |
| 15) Benzyl Alcohol | 8.007 | 79 | 461906 | 47.826 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.290 | 45 | 645299 | 48.456 | ng | | 99 |
| 17) 2-Methylphenol | 8.219 | 107 | 426185 | 48.111 | ng | | 99 |
| 18) Hexachloroethane | 8.837 | 117 | 212824 | 48.005 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.566 | 70 | 360034 | 44.717 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.537 | 107 | 580591 | 47.283 | ng | | 98 |
| 22) Acetophenone | 8.584 | 105 | 746925 | 47.971 | ng | # | 97 |
| 24) Nitrobenzene | 8.954 | 77 | 536177 | 48.880 | ng | | 99 |
| 25) Isophorone | 9.478 | 82 | 1018703 | 46.899 | ng | | 98 |
| 26) 2-Nitrophenol | 9.660 | 139 | 287462 | 51.064 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.725 | 122 | 480009 | 49.582 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 9.948 | 93 | 619050 | 47.147 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.201 | 162 | 486577 | 50.595 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.407 | 180 | 500410 | 47.466 | ng | | 96 |
| 31) Naphthalene | 10.590 | 128 | 1523003 | 47.195 | ng | | 99 |
| 32) Benzoic acid | 9.895 | 122 | 402655m | 56.337 | ng | | |
| 33) 4-Chloroaniline | 10.695 | 127 | 223955 | 15.711 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.872 | 225 | 316873 | 48.263 | ng | | 98 |
| 35) Caprolactam | 11.501 | 113 | 175646 | 49.809 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 11.837 | 107 | 558120 | 50.576 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.195 | 142 | 959049 | 45.668 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.419 | 142 | 1016081 | 45.496 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.566 | 216 | 561998 | 48.324 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.542 | 237 | 620479 | 88.326 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.813 | 196 | 395939 | 50.429 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.889 | 196 | 435744 | 50.639 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.207 | 154 | 1393830 | 47.661 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.248 | 162 | 1069039 | 46.956 | ng | | 100 |
| 48) 2-Nitroaniline | 13.460 | 65 | 359757 | 54.232 | ng | | 97 |
| 49) Acenaphthylene | 14.101 | 152 | 1819338 | 48.293 | ng | | 99 |
| 50) Dimethylphthalate | 13.842 | 163 | 1421262 | 48.199 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.948 | 165 | 314555 | 50.611 | ng | | 93 |
| 52) Acenaphthene | 14.454 | 154 | 1021442 | 46.192 | ng | | 100 |
| 53) 3-Nitroaniline | 14.289 | 138 | 187167 | 26.766 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.513 | 184 | 378915 | 114.163 | ng | | 97 |
| 55) Dibenzofuran | 14.789 | 168 | 1668707 | 47.731 | ng | | 99 |
| 56) 4-Nitrophenol | 14.631 | 139 | 557517 | 97.025 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 14.760 | 165 | 463031 | 52.217 | ng | | 97 |
| 58) Fluorene | 15.454 | 166 | 1342240 | 48.656 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.025 | 232 | 386499 | 50.869 | ng | | 99 |
| 60) Diethylphthalate | 15.230 | 149 | 1523749 | 50.855 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.442 | 204 | 667965 | 48.686 | ng | | 98 |
| 62) 4-Nitroaniline | 15.472 | 138 | 344008 | 47.988 | ng | | 96 |
| 63) Azobenzene | 15.742 | 77 | 1426606 | 55.606 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.542 | 198 | 267058 | 52.517 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.666 | 169 | 1189076 | 47.799 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.360 | 248 | 439423 | 48.976 | ng | | 99 |
| 68) Hexachlorobenzene | 16.477 | 284 | 514922 | 49.509 | ng | | 99 |
| 69) Atrazine | 16.648 | 200 | 473882 | 50.866 | ng | | 99 |
| 70) Pentachlorophenol | 16.836 | 266 | 690508 | 105.174 | ng | | 98 |
| 71) Phenanthrene | 17.236 | 178 | 2166406 | 48.343 | ng | | 99 |
| 72) Anthracene | 17.324 | 178 | 2203641 | 48.152 | ng | | 99 |
| 73) Carbazole | 17.607 | 167 | 2119936 | 49.180 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.195 | 149 | 2779464 | 52.409 | ng | | 100 |
| 75) Fluoranthene | 19.324 | 202 | 2594129 | 48.529 | ng | | 99 |
| 77) Benzidine | 19.507 | 184 | 969532 | 33.346 | ng | | 99 |
| 78) Pyrene | 19.701 | 202 | 2681388 | 48.424 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.642 | 149 | 1303731 | 51.951 | ng | | 100 |
| 81) Benzo(a)anthracene | 21.618 | 228 | 2720953 | 48.428 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.536 | 252 | 579354 | 27.357 | ng | | 99 |
| 83) Chrysene | 21.689 | 228 | 2534334 | 48.166 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.548 | 149 | 1904356 | 51.550 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.830 | 149 | 3336783 | 52.513 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 28.859 | 276 | 3490890 | 49.251 | ng | # | 88 |
| 88) Benzo(b)fluoranthene | 23.936 | 252 | 2764802 | 48.512 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.012 | 252 | 2781699 | 48.775 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.853 | 252 | 2724422 | 49.109 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.930 | 278 | 2867026 | 49.497 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 30.030 | 276 | 2770490m | 48.658 | ng | | |

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

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