Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042525\
Data File : BP024425.D
Acq On : 25 Apr 2025 16:30
Operator : RC/JU
Sample : Q1867-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 25 16:53:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
VNJ211MS

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 04/28/2025
Supervised By :Jagrut Upadhyay 04/28/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.710 | 152 | 181048 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.487 | 136 | 745915 | 20.000 | ng | | #-0.01 |
| 39) Acenaphthene-d10 | 14.339 | 164 | 471391 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.139 | 188 | 944632 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.580 | 240 | 1061183 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 24.927 | 264 | 1320298 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.340 | 112 | 1210025 | 110.508 | ng | | 0.00 |
| 7) Phenol-d6 | 6.905 | 99 | 1571192 | 104.794 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.857 | 82 | 922571 | 70.526 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.857 | 330 | 821760 | 125.999 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.951 | 172 | 2077263 | 67.471 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.863 | 244 | 3663523 | 69.586 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.287 | 88 | 168642 | 36.412 | ng | | 98 |
| 3) Pyridine | 3.675 | 79 | 411653 | 33.660 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.587 | 42 | 176993 | 43.607 | ng | | 84 |
| 6) Aniline | 7.052 | 93 | 366199 | 27.333 | ng | | 98 |
| 8) 2-Chlorophenol | 7.293 | 128 | 531215 | 43.453 | ng | | 98 |
| 9) Benzaldehyde | 6.869 | 77 | 247424 | 33.361 | ng | | 96 |
| 10) Phenol | 6.928 | 94 | 639473 | 42.517 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.146 | 93 | 459020 | 37.879 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.605 | 146 | 542427 | 41.214 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.752 | 146 | 553724 | 41.466 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.063 | 146 | 530620 | 41.151 | ng | | 98 |
| 15) Benzyl Alcohol | 7.957 | 79 | 431728 | 44.526 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.234 | 45 | 513755 | 39.222 | ng | | 100 |
| 17) 2-Methylphenol | 8.163 | 107 | 435396 | 44.749 | ng | | 99 |
| 18) Hexachloroethane | 8.787 | 117 | 202812 | 42.026 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.516 | 70 | 345473 | 37.245 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.487 | 107 | 586233 | 43.424 | ng | | 98 |
| 22) Acetophenone | 8.528 | 105 | 731146 | 39.603 | ng | # | 98 |
| 24) Nitrobenzene | 8.904 | 77 | 522466 | 40.374 | ng | | 99 |
| 25) Isophorone | 9.428 | 82 | 979318 | 41.360 | ng | | 98 |
| 26) 2-Nitrophenol | 9.604 | 139 | 280397 | 44.276 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 9.675 | 122 | 481508 | 60.554 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.899 | 93 | 613878 | 38.378 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.140 | 162 | 483671 | 44.610 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.351 | 180 | 492403 | 42.388 | ng | | 99 |
| 31) Naphthalene | 10.534 | 128 | 1544096 | 39.298 | ng | | 100 |
| 32) Benzoic acid | 9.828 | 122 | 383271m | 41.365 | ng | | |
| 33) 4-Chloroaniline | 10.651 | 127 | 207414 | 14.990 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.822 | 225 | 304370 | 44.588 | ng | | 98 |
| 35) Caprolactam | 11.434 | 113 | 166180 | 41.539 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 11.787 | 107 | 540366 | 42.789 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.151 | 142 | 983866 | 36.105 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.363 | 142 | 1042995 | 39.125 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.516 | 216 | 545492 | 42.080 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.493 | 237 | 711474 | 155.182 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.763 | 196 | 387049 | 44.908 | ng | | 98 |

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.840 | 196 | 434581 | 45.534 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.163 | 154 | 1381260 | 39.864 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.204 | 162 | 1073150 | 41.440 | ng | 98 |
| 48) 2-Nitroaniline | 13.416 | 65 | 321123 | 44.207 | ng | 96 |
| 49) Acenaphthylene | 14.063 | 152 | 1791658 | 43.943 | ng | 100 |
| 50) Dimethylphthalate | 13.798 | 163 | 1371319 | 40.003 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.916 | 165 | 303019 | 41.627 | ng | 99 |
| 52) Acenaphthene | 14.404 | 154 | 1045186 | 40.435 | ng | 98 |
| 53) 3-Nitroaniline | 14.251 | 138 | 227260 | 29.704 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.463 | 184 | 390691 | 91.115 | ng | 93 |
| 55) Dibenzofuran | 14.745 | 168 | 1639098 | 38.794 | ng | 98 |
| 56) 4-Nitrophenol | 14.587 | 139 | 609575 | 92.254 | ng | 94 |
| 57) 2,4-Dinitrotoluene | 14.716 | 165 | 443835 | 44.697 | ng | 99 |
| 58) Fluorene | 15.410 | 166 | 1365337 | 41.743 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.981 | 232 | 389819 | 44.284 | ng | 99 |
| 60) Diethylphthalate | 15.181 | 149 | 1415500 | 40.069 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.398 | 204 | 656551 | 41.337 | ng | 97 |
| 62) 4-Nitroaniline | 15.428 | 138 | 342866 | 42.333 | ng | 90 |
| 63) Azobenzene | 15.698 | 77 | 1371272 | 42.233 | ng | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.486 | 198 | 249268 | 41.855 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.622 | 169 | 1163144 | 41.253 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.310 | 248 | 443805 | 42.958 | ng | 99 |
| 68) Hexachlorobenzene | 16.428 | 284 | 551853 | 44.952 | ng | 99 |
| 69) Atrazine | 16.592 | 200 | 437417 | 60.913 | ng | 99 |
| 70) Pentachlorophenol | 16.786 | 266 | 787664 | 91.970 | ng | 99 |
| 71) Phenanthrene | 17.180 | 178 | 2317924 | 44.980 | ng | 99 |
| 72) Anthracene | 17.275 | 178 | 2219616 | 44.690 | ng | 100 |
| 73) Carbazole | 17.563 | 167 | 2116093 | 43.605 | ng | 99 |
| 74) Di-n-butylphthalate | 18.145 | 149 | 2593640 | 42.899 | ng | 100 |
| 75) Fluoranthene | 19.269 | 202 | 2897962 | 47.284 | ng | 98 |
| 77) Benzidine | 19.469 | 184 | 1046799 | 77.821 | ng | 99 |
| 78) Pyrene | 19.645 | 202 | 2990415 | 44.342 | ng | 99 |
| 80) Butylbenzylphthalate | 20.592 | 149 | 1298669 | 44.959 | ng | 97 |
| 81) Benzo(a)anthracene | 21.563 | 228 | 2971417 | 45.049 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.486 | 252 | 731544 | 31.599 | ng | 100 |
| 83) Chrysene | 21.633 | 228 | 2758363 | 43.651 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.498 | 149 | 1898349 | 44.830 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.768 | 149 | 3124024 | 45.380 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.698 | 276 | 4243296 | 46.293 | ng | 97 |
| 88) Benzo(b)fluoranthene | 23.868 | 252 | 3229883m | 40.812 | ng | |
| 89) Benzo(k)fluoranthene | 23.939 | 252 | 3211054m | 42.005 | ng | |
| 90) Benzo(a)pyrene | 24.768 | 252 | 3161390 | 46.310 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 28.792 | 278 | 3382088 | 44.454 | ng | 97 |
| 92) Benzo(g,h,i)perylene | 29.892 | 276 | 3442843 | 44.458 | ng | 96 |

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

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