Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090525\
Data File : BP025672.D
Acq On : 05 Sep 2025 10:40
Operator : CG/JU
Sample : Q2893-03
Misc : MDL-SOIL 4PPM
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 06 05:16:09 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

**Instrument :**
BNA_P
**ClientSampleId :**
MDL-SOIL-03-QT3-2025

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.766 | 152 | 160894 | 20.000 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.543 | 136 | 637019 | 20.000 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.395 | 164 | 427145 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.195 | 188 | 847120 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.630 | 240 | 935440 | 20.000 | ng | | -0.02 |
| 86) Perylene-d12 | 25.001 | 264 | 1018028 | 20.000 | ng | | -0.03 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.396 | 112 | 1082453 | 111.727 | ng | | -0.01 |
| 7) Phenol-d6 | 6.955 | 99 | 1383728 | 111.400 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 8.913 | 82 | 967950 | 76.865 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.913 | 330 | 698986 | 121.575 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.007 | 172 | 2264183 | 72.444 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.913 | 244 | 3985376 | 77.948 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.325 | 88 | 14573 | 3.840 | ng | | 96 |
| 3) Pyridine | 3.731 | 79 | 34553 | 3.327 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.631 | 42 | 17256 | 4.030 | ng | # | 78 |
| 6) Aniline | 7.108 | 93 | 56249 | 3.361 | ng | # | 95 |
| 8) 2-Chlorophenol | 7.343 | 128 | 39632 | 3.625 | ng | | 91 |
| 9) Benzaldehyde | 6.925 | 77 | 35200 | 4.045 | ng | | 97 |
| 10) Phenol | 6.984 | 94 | 45333 | 3.478 | ng | | 79 |
| 11) bis(2-Chloroethyl)ether | 7.196 | 93 | 36842 | 3.627 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.660 | 146 | 43572 | 3.614 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.802 | 146 | 44814 | 3.637 | ng | | 92 |
| 14) 1,2-Dichlorobenzene | 8.113 | 146 | 44183 | 3.704 | ng | | 98 |
| 15) Benzyl Alcohol | 8.013 | 79 | 31103 | 3.151 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.290 | 45 | 51864 | 3.811 | ng | | 98 |
| 17) 2-Methylphenol | 8.213 | 107 | 29229 | 3.229 | ng | | 95 |
| 18) Hexachloroethane | 8.837 | 117 | 16818 | 3.712 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.560 | 70 | 29500 | 3.585 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.555 | 107 | 39872 | 3.178 | ng | | 94 |
| 22) Acetophenone | 8.584 | 105 | 58712 | 3.675 | ng | # | 97 |
| 24) Nitrobenzene | 8.949 | 77 | 45371 | 4.031 | ng | | 93 |
| 25) Isophorone | 9.484 | 82 | 78632 | 3.528 | ng | | 97 |
| 26) 2-Nitrophenol | 9.660 | 139 | 17416 | 3.015 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 9.737 | 122 | 33055 | 3.328 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 9.954 | 93 | 46307 | 3.437 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.231 | 162 | 28387 | 2.877 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.402 | 180 | 39013 | 3.607 | ng | | 95 |
| 31) Naphthalene | 10.590 | 128 | 118751 | 3.587 | ng | | 99 |
| 32) Benzoic acid | 9.866 | 122 | 9249m | 1.261 | ng | | |
| 33) 4-Chloroaniline | 10.713 | 127 | 43182 | 2.953 | ng | | 96 |
| 34) Hexachlorobutadiene | 10.878 | 225 | 25100 | 3.726 | ng | | 95 |
| 35) Caprolactam | 11.490 | 113 | 10940 | 3.024 | ng | # | 86 |
| 36) 4-Chloro-3-methylphenol | 11.843 | 107 | 37848 | 3.343 | ng | | 88 |
| 37) 2-Methylnaphthalene | 12.207 | 142 | 75784 | 3.517 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.419 | 142 | 82776 | 3.612 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.572 | 216 | 44627 | 3.617 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.554 | 237 | 11192 | 1.502 | ng | | 91 |
| 43) 2,4,6-Trichlorophenol | 12.831 | 196 | 25631 | 3.078 | ng | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.913 | 196 | 29670 | 3.251 | ng | | 95 |
| 46) 1,1'-Biphenyl | 13.213 | 154 | 113881 | 3.671 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.254 | 162 | 85999 | 3.561 | ng | | 98 |
| 48) 2-Nitroaniline | 13.472 | 65 | 22538 | 3.203 | ng | | 85 |
| 49) Acenaphthylene | 14.119 | 152 | 138405 | 3.463 | ng | | 99 |
| 50) Dimethylphthalate | 13.842 | 163 | 114308 | 3.654 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 13.966 | 165 | 21956 | 3.330 | ng | # | 84 |
| 52) Acenaphthene | 14.460 | 154 | 83426 | 3.557 | ng | | 99 |
| 53) 3-Nitroaniline | 14.313 | 138 | 21151 | 2.851 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.537 | 184 | 5872m | 1.668 | ng | | |
| 55) Dibenzofuran | 14.801 | 168 | 134617 | 3.630 | ng | | 97 |
| 56) 4-Nitrophenol | 14.719 | 139 | 5689m | 0.933 | ng | | |
| 57) 2,4-Dinitrotoluene | 14.772 | 165 | 29287 | 3.114 | ng | # | 90 |
| 58) Fluorene | 15.460 | 166 | 108259 | 3.700 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.042 | 232 | 27588m | 3.423 | ng | | |
| 60) Diethylphthalate | 15.225 | 149 | 118406 | 3.725 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.460 | 204 | 55222 | 3.794 | ng | | 97 |
| 62) 4-Nitroaniline | 15.513 | 138 | 17143m | 2.254 | ng | | |
| 63) Azobenzene | 15.754 | 77 | 102606 | 3.770 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.566 | 198 | 12439 | 2.356 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 15.672 | 169 | 93959 | 3.637 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.372 | 248 | 35291 | 3.788 | ng | | 96 |
| 68) Hexachlorobenzene | 16.495 | 284 | 41324 | 3.826 | ng | | 98 |
| 69) Atrazine | 16.648 | 200 | 34308 | 3.546 | ng | | 94 |
| 70) Pentachlorophenol | 16.860 | 266 | 18340 | 2.690 | ng | | 94 |
| 71) Phenanthrene | 17.236 | 178 | 176814 | 3.800 | ng | | 100 |
| 72) Anthracene | 17.336 | 178 | 171351 | 3.606 | ng | | 99 |
| 73) Carbazole | 17.625 | 167 | 153413 | 3.427 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.207 | 149 | 193312 | 3.510 | ng | | 100 |
| 75) Fluoranthene | 19.319 | 202 | 204431 | 3.683 | ng | | 99 |
| 77) Benzidine | 19.530 | 184 | 81210 | 2.544 | ng | | 99 |
| 78) Pyrene | 19.695 | 202 | 212513 | 3.495 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.630 | 149 | 90901 | 3.299 | ng | | 93 |
| 81) Benzo(a)anthracene | 21.613 | 228 | 219298 | 3.555 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.542 | 252 | 73034 | 3.141 | ng | | 97 |
| 83) Chrysene | 21.677 | 228 | 211723 | 3.665 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.548 | 149 | 141335 | 3.484 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.830 | 149 | 232705 | 3.335 | ng | # | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 28.836 | 276 | 250847 | 3.360 | ng | | 93 |
| 88) Benzo(b)fluoranthene | 23.936 | 252 | 208755 | 3.478 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.007 | 252 | 218273m | 3.634 | ng | | |
| 90) Benzo(a)pyrene | 24.836 | 252 | 203799 | 3.488 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.912 | 278 | 199309 | 3.267 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.024 | 276 | 199611 | 3.328 | ng | # | 94 |

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

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