Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091025\
Data File : BF143688.D
Acq On : 09 Sep 2025 16:59
Operator : RC/JU
Sample : Q2893-01
Misc : LOD-MDL-SOIL 8 PPM
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-MDL-SOIL-01-QT3-2025

Quant Time: Sep 09 17:50:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 09 15:20:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.887 | 152 | 45543 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 173489 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 102171 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 173016 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.045 | 240 | 103451 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.516 | 264 | 105156 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 353441 | 132.407 | ng | | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 442433 | 136.124 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.451 | 82 | 277825 | 99.608 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 143175 | 139.052 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.245 | 172 | 623246 | 92.148 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 657958 | 103.067 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.681 | 88 | 9964 | 8.368 | ng | | 96 |
| 3) Pyridine | 3.475 | 79 | 24022 | 7.810 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.375 | 42 | 9241 | 7.909 | ng | | 96 |
| 6) Aniline | 6.551 | 93 | 36335 | 8.441 | ng | | 97 |
| 8) 2-Chlorophenol | 6.675 | 128 | 24031 | 8.335 | ng | | 97 |
| 9) Benzaldehyde | 6.440 | 77 | 18761 | 7.154 | ng | | 96 |
| 10) Phenol | 6.522 | 94 | 28840 | 8.027 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 6.622 | 93 | 22096 | 8.235 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.828 | 146 | 28965 | 8.785 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.904 | 146 | 28648 | 8.608 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.057 | 146 | 26496 | 8.431 | ng | | 97 |
| 15) Benzyl Alcohol | 7.022 | 79 | 19612 | 8.295 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163 | 45 | 28383 | 8.085 | ng | | 97 |
| 17) 2-Methylphenol | 7.122 | 107 | 19146 | 8.256 | ng | | 99 |
| 18) Hexachloroethane | 7.404 | 117 | 9066 | 8.433 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.293 | 70 | 16995 | 8.514 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 24939 | 8.166 | ng | # | 87 |
| 22) Acetophenone | 7.293 | 105 | 34917 | 8.911 | ng | | 98 |
| 24) Nitrobenzene | 7.463 | 77 | 25091 | 8.676 | ng | | 97 |
| 25) Isophorone | 7.698 | 82 | 45488 | 8.505 | ng | | 100 |
| 26) 2-Nitrophenol | 7.781 | 139 | 11325 | 7.964 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 23307 | 9.130 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 28316 | 8.615 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 21194 | 8.254 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.110 | 180 | 23225 | 8.730 | ng | | 99 |
| 31) Naphthalene | 8.193 | 128 | 72225 | 8.410 | ng | | 99 |
| 32) Benzoic acid | 7.857 | 122 | 8694 | 5.582 | ng | | 97 |
| 33) 4-Chloroaniline | 8.234 | 127 | 28482 | 9.526 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.310 | 225 | 14438 | 8.321 | ng | | 97 |
| 35) Caprolactam | 8.563 | 113 | 5535 | 8.099 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.698 | 107 | 21154 | 8.355 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.881 | 142 | 45032 | 7.660 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.981 | 142 | 46613 | 8.262 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 24539 | 8.389 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.034 | 237 | 14591 | 9.716 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.151 | 196 | 15537 | 7.955 | ng | | 96 |

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BNA_F
**ClientSampleId :**
LOD-MDL-SOIL-01-QT3-2025

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.187 | 196 | 16443 | 8.281 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.345 | 154 | 64249 | 8.735 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.369 | 162 | 47633 | 8.260 | ng | | 98 |
| 48) 2-Nitroaniline | 9.457 | 65 | 12281 | 8.048 | ng | | 96 |
| 49) Acenaphthylene | 9.781 | 152 | 76954 | 9.316 | ng | | 100 |
| 50) Dimethylphthalate | 9.640 | 163 | 56349 | 8.477 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.698 | 165 | 10999 | 8.654 | ng | | 97 |
| 52) Acenaphthene | 9.957 | 154 | 46463 | 8.163 | ng | | 100 |
| 53) 3-Nitroaniline | 9.863 | 138 | 11371 | 8.313 | ng | | 89 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 3429 | 10.259 | ng | # | 1 |
| 55) Dibenzofuran | 10.128 | 168 | 69751 | 8.522 | ng | | 98 |
| 56) 4-Nitrophenol | 10.004 | 139 | 8286 | 7.615 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.098 | 165 | 14024 | 8.107 | ng | # | 98 |
| 58) Fluorene | 10.469 | 166 | 55329 | 8.636 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232 | 14186 | 8.811 | ng | # | 97 |
| 60) Diethylphthalate | 10.339 | 149 | 52683 | 8.442 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204 | 27490 | 8.460 | ng | | 100 |
| 62) 4-Nitroaniline | 10.469 | 138 | 10817 | 8.350 | ng | | 97 |
| 63) Azobenzene | 10.622 | 77 | 47209 | 8.556 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198 | 5511 | 6.256 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.581 | 169 | 47610 | 8.400 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248 | 17298 | 8.291 | ng | | 95 |
| 68) Hexachlorobenzene | 11.016 | 284 | 17593 | 7.986 | ng | | 96 |
| 69) Atrazine | 11.098 | 200 | 14106 | 7.937 | ng | | 95 |
| 70) Pentachlorophenol | 11.204 | 266 | 8766 | 6.582 | ng | | 98 |
| 71) Phenanthrene | 11.434 | 178 | 80496 | 8.444 | ng | | 99 |
| 72) Anthracene | 11.481 | 178 | 80940 | 8.444 | ng | | 99 |
| 73) Carbazole | 11.633 | 167 | 66847 | 8.515 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.969 | 149 | 77926 | 8.245 | ng | | 99 |
| 75) Fluoranthene | 12.616 | 202 | 73412 | 8.389 | ng | | 99 |
| 77) Benzidine | 12.739 | 184 | 27459 | 8.140 | ng | # | 96 |
| 78) Pyrene | 12.845 | 202 | 73617 | 8.900 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.469 | 149 | 20832 | 8.038 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.033 | 228 | 56450 | 8.482 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.992 | 252 | 17266 | 8.433 | ng | | 99 |
| 83) Chrysene | 14.069 | 228 | 49588 | 8.135 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 29801 | 8.059 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 14.639 | 149 | 46100 | 6.957 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.992 | 276 | 50917 | 7.095 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.080 | 252 | 53022 | 8.470 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.110 | 252 | 43120 | 7.633 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.451 | 252 | 45182 | 8.216 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.015 | 278 | 42471 | 7.133 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.439 | 276 | 40168 | 7.212 | ng | | 97 |

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

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