Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121525\
Data File : BF144470.D
Acq On : 15 Dec 2025 13:12
Operator : RC/JU
Sample : Q3530-01
Misc : LOD-SOIL-4NG
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-MDL-SOIL-01-QT4-2025

Quant Time: Dec 15 13:32:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 12 15:57:03 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.793 | 152 | 264563 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.075 | 136 | 1067346 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.828 | 164 | 578619 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.310 | 188 | 985264 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.939 | 240 | 798537 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.374 | 264 | 615507 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.399 | 112 | 1803149 | 102.766 | ng | | 0.00 |
| 7) Phenol-d6 | 6.416 | 99 | 2332562 | 106.579 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.357 | 82 | 1557140 | 91.294 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.616 | 330 | 657646 | 125.714 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.151 | 172 | 2677437 | 70.986 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.898 | 244 | 3169271 | 62.660 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.493 | 88 | 28466 | 3.374 | ng | | 97 |
| 3) Pyridine | 3.287 | 79 | 74460 | 3.209 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.158 | 42 | 35526 | 3.524 | ng | # | 96 |
| 6) Aniline | 6.457 | 93 | 119006 | 3.898 | ng | | 98 |
| 8) 2-Chlorophenol | 6.575 | 128 | 74026 | 3.935 | ng | # | 76 |
| 9) Benzaldehyde | 6.346 | 77 | 61478 | 3.588 | ng | | 96 |
| 10) Phenol | 6.434 | 94 | 96505 | 3.736 | ng | | 79 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 73476 | 3.892 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.734 | 146 | 82342 | 4.051 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.810 | 146 | 82098 | 4.026 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.963 | 146 | 77210 | 3.987 | ng | | 98 |
| 15) Benzyl Alcohol | 6.928 | 79 | 61132 | 3.790 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069 | 45 | 114474 | 3.593 | ng | | 99 |
| 17) 2-Methylphenol | 7.034 | 107 | 59406 | 3.746 | ng | | 98 |
| 18) Hexachloroethane | 7.310 | 117 | 26511 | 3.741 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.198 | 70 | 53281 | 3.854 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.187 | 107 | 78394 | 4.024 | ng | # | 88 |
| 22) Acetophenone | 7.198 | 105 | 108194 | 4.087 | ng | | 95 |
| 24) Nitrobenzene | 7.375 | 77 | 83105 | 4.491 | ng | | 99 |
| 25) Isophorone | 7.610 | 82 | 140315 | 3.645 | ng | | 98 |
| 26) 2-Nitrophenol | 7.687 | 139 | 25431 | 6.896 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.722 | 122 | 65680 | 3.576 | ng | | 95 |
| 28) bis(2-Chloroethoxy)met... | 7.822 | 93 | 89463 | 3.772 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.922 | 162 | 58507 | 3.834 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.016 | 180 | 68035 | 4.110 | ng | | 98 |
| 31) Naphthalene | 8.092 | 128 | 227015 | 3.952 | ng | | 99 |
| 32) Benzoic acid | 7.757 | 122 | 18349 | 7.981 | ng | | 96 |
| 33) 4-Chloroaniline | 8.140 | 127 | 91390 | 3.958 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.216 | 225 | 39328 | 3.843 | ng | | 98 |
| 35) Caprolactam | 8.463 | 113 | 17022 | 3.378 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.610 | 107 | 60871 | 3.674 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.787 | 142 | 133851 | 3.541 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.887 | 142 | 142721 | 3.878 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.951 | 216 | 67932 | 4.125 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 8.939 | 237 | 26684 | 2.738 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.057 | 196 | 39097 | 3.739 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.092 | 196 | 41822 | 3.810 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.251 | 154 | 189961 | 4.201 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.275 | 162 | 138129 | 4.001 | ng | | 97 |
| 48) 2-Nitroaniline | 9.363 | 65 | 30267 | 6.458 | ng | | 98 |
| 49) Acenaphthylene | 9.687 | 152 | 215901 | 3.948 | ng | | 98 |
| 50) Dimethylphthalate | 9.545 | 163 | 149140 | 3.816 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.604 | 165 | 26345 | 7.287 | ng | | 97 |
| 52) Acenaphthene | 9.857 | 154 | 135704 | 3.980 | ng | | 100 |
| 53) 3-Nitroaniline | 9.769 | 138 | 31361 | 6.361 | ng | # | 95 |
| 54) 2,4-Dinitrophenol | 9.875 | 184 | 5689 | 8.671 | ng | # | 36 |
| 55) Dibenzofuran | 10.028 | 168 | 195363 | 4.026 | ng | | 97 |
| 56) 4-Nitrophenol | 9.916 | 139 | 21613 | 3.247 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.004 | 165 | 30795 | 6.781 | ng | | 96 |
| 58) Fluorene | 10.369 | 166 | 153829 | 4.187 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.145 | 232 | 35389 | 4.248 | ng | | 97 |
| 60) Diethylphthalate | 10.245 | 149 | 139587 | 3.768 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204 | 73317 | 4.067 | ng | | 100 |
| 62) 4-Nitroaniline | 10.375 | 138 | 30287 | 5.835 | ng | | 99 |
| 63) Azobenzene | 10.528 | 77 | 145397 | 3.714 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.404 | 198 | 9088 | 8.672 | ng | | 82 |
| 66) n-Nitrosodiphenylamine | 10.481 | 169 | 128422 | 3.803 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248 | 42266 | 3.675 | ng | | 98 |
| 68) Hexachlorobenzene | 10.916 | 284 | 48618 | 3.829 | ng | | 97 |
| 69) Atrazine | 11.004 | 200 | 39003 | 3.688 | ng | | 99 |
| 70) Pentachlorophenol | 11.104 | 266 | 23298 | 3.217 | ng | | 97 |
| 71) Phenanthrene | 11.333 | 178 | 227327 | 4.002 | ng | | 98 |
| 72) Anthracene | 11.381 | 178 | 224411 | 3.904 | ng | | 98 |
| 73) Carbazole | 11.533 | 167 | 202475 | 4.057 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.875 | 149 | 193709 | 3.631 | ng | | 99 |
| 75) Fluoranthene | 12.516 | 202 | 227616 | 4.058 | ng | | 99 |
| 77) Benzidine | 12.639 | 184 | 89353 | 3.143 | ng | | 98 |
| 78) Pyrene | 12.745 | 202 | 239560 | 3.274 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.369 | 149 | 63487 | 5.702 | ng | | 100 |
| 81) Benzo(a)anthracene | 13.927 | 228 | 199434 | 3.546 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.892 | 252 | 51049 | 3.204 | ng | | 99 |
| 83) Chrysene | 13.963 | 228 | 196419 | 3.817 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149 | 75581 | 5.427 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.545 | 149 | 84522 | 8.187 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.780 | 276 | 126383 | 2.861 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.957 | 252 | 144871 | 3.585 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 14.986 | 252 | 151961 | 3.977 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.310 | 252 | 124565 | 3.527 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.798 | 278 | 101756 | 2.852 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.204 | 276 | 104623 | 2.884 | ng | | 99 |

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

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