

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030325\  
 Data File : BF141817.D  
 Acq On : 03 Mar 2025 17:17  
 Operator : RC/JU  
 Sample : Q1458-03MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-SOILMSD

Manual Integrations  
 APPROVED

Reviewed By :Anahy Claudio 03/04/2025  
 Supervised By :Jagrut Upadhyay 03/04/2025

Quant Time: Mar 03 17:34:03 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 131854   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 519516   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 287643   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 526713   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 541541   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.515 | 264  | 517317   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 1127719  | 136.587 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 1322275  | 123.043 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 921778   | 113.414 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 422643   | 156.509 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1748319  | 97.459  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 2643836  | 78.988  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.693  | 88   | 163157   | 43.551  | ng    | 99       |
| 3) Pyridine                   | 3.446  | 79   | 328696   | 35.263  | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.369  | 42   | 189313   | 42.210  | ng    | 98       |
| 6) Aniline                    | 6.545  | 93   | 132006   | 11.815  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 394020   | 44.116  | ng    | 98       |
| 9) Benzaldehyde               | 6.434  | 77   | 100227   | 16.034  | ng    | 99       |
| 10) Phenol                    | 6.516  | 94   | 438945   | 38.224  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 375392   | 42.885  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 390744   | 40.852  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 394265   | 40.909  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 383941   | 42.663  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 352837   | 41.082  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157  | 45   | 586017   | 44.083  | ng    | 97       |
| 17) 2-Methylphenol            | 7.128  | 107  | 318043   | 43.140  | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 143098   | 39.670  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.292  | 70   | 300569   | 42.548  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 417230   | 45.450  | ng    | 96       |
| 22) Acetophenone              | 7.292  | 105  | 619898   | 48.993  | ng    | 97       |
| 24) Nitrobenzene              | 7.463  | 77   | 419014   | 48.143  | ng    | 99       |
| 25) Isophorone                | 7.704  | 82   | 797398   | 45.667  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.781  | 139  | 153364   | 40.256  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 348608   | 54.313  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 484615   | 43.508  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 329725   | 44.529  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 342449   | 42.206  | ng    | 97       |
| 31) Naphthalene               | 8.192  | 128  | 1148976  | 43.031  | ng    | 99       |
| 32) Benzoic acid              | 7.892  | 122  | 208603m  | 40.391  | ng    |          |
| 33) 4-Chloroaniline           | 8.234  | 127  | 55122m   | 5.630   | ng    |          |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 204562   | 40.571  | ng    | 99       |
| 35) Caprolactam               | 8.581  | 113  | 108210m  | 47.504  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 365770   | 44.467  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 742339   | 42.387  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 729644   | 43.419  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 391773   | 47.159  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.033  | 237  | 431979   | 124.600 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 235520   | 43.889  | ng    | 100      |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.186  | 196  | 255139   | 48.014  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 1084913  | 49.552  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 733084   | 45.365  | ng    | 97       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 224719   | 50.550  | ng    | 97       |
| 49) Acenaphthylene            | 9.786  | 152  | 1184945  | 48.907  | ng    | 99       |
| 50) Dimethylphthalate         | 9.639  | 163  | 907095   | 47.090  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 183140   | 49.599  | ng    | 100      |
| 52) Acenaphthene              | 9.957  | 154  | 816895   | 49.969  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.863  | 138  | 82555    | 22.699  | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 150792   | 86.585  | ng    | # 1      |
| 55) Dibenzofuran              | 10.128 | 168  | 1081270  | 45.442  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.016 | 139  | 347680   | 122.206 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 259975   | 57.043  | ng    | 95       |
| 58) Fluorene                  | 10.469 | 166  | 867737   | 48.685  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 224002   | 48.470  | ng    | 99       |
| 60) Diethylphthalate          | 10.345 | 149  | 911254   | 47.189  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204  | 413378   | 46.290  | ng    | 100      |
| 62) 4-Nitroaniline            | 10.480 | 138  | 201580   | 61.278  | ng    | 96       |
| 63) Azobenzene                | 10.622 | 77   | 929948   | 45.737  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 101683   | 42.182  | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.580 | 169  | 762700   | 44.098  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248  | 267447   | 43.472  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 289488   | 44.560  | ng    | 99       |
| 69) Atrazine                  | 11.104 | 200  | 313761   | 65.969  | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 381750   | 92.650  | ng    | 100      |
| 71) Phenanthrene              | 11.433 | 178  | 1373049  | 48.735  | ng    | 99       |
| 72) Anthracene                | 11.486 | 178  | 1405921  | 49.791  | ng    | 99       |
| 73) Carbazole                 | 11.633 | 167  | 1324956  | 53.136  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.969 | 149  | 1547779  | 48.969  | ng    | 99       |
| 75) Fluoranthene              | 12.621 | 202  | 1606545  | 55.650  | ng    | 99       |
| 77) Benzidine                 | 12.739 | 184  | 95592    | 14.025  | ng    | 98       |
| 78) Pyrene                    | 12.851 | 202  | 1675575  | 35.731  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.469 | 149  | 725153   | 42.562  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 1682107  | 47.026  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 172342   | 16.793  | ng    | 100      |
| 83) Chrysene                  | 14.074 | 228  | 1475043  | 44.735  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 1019709  | 48.067  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 1792148  | 56.427  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.009 | 276  | 1469356  | 44.606  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 1626304  | 46.152  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.115 | 252  | 1389694  | 46.399  | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.457 | 252  | 1380789  | 48.859  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 1212134  | 45.080  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.462 | 276  | 1102571  | 40.026  | ng    | 99       |

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

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