

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF090624\  
 Data File : BF139270.D  
 Acq On : 06 Sep 2024 10:32  
 Operator : RC/JU  
 Sample : P2403-03  
 Misc : MDL-MDL-SOIL-04 ng  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2024

Quant Time: Sep 06 11:15:48 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF090424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 04 16:11:43 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.886  | 152  | 125291   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 457991   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 249510   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 447311   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 214179   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 206705   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 858437   | 114.617 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 1145954  | 114.613 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 726184   | 82.487  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 247056   | 114.667 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1284898  | 79.493  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1032553  | 77.839  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.681  | 88   | 14041    | 4.026   | ng    | 99       |
| 3) Pyridine                   | 3.481  | 79   | 29344    | 3.485   | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.375  | 42   | 20063    | 3.670   | ng    | # 97     |
| 6) Aniline                    | 6.551  | 93   | 44317    | 4.820   | ng    | 98       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 31710    | 4.085   | ng    | # 62     |
| 9) Benzaldehyde               | 6.439  | 77   | 28647    | 4.733   | ng    | 99       |
| 10) Phenol                    | 6.528  | 94   | 42757    | 4.054   | ng    | # 70     |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 32080    | 4.246   | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 35689    | 4.062   | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 35381    | 4.023   | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 32733    | 3.991   | ng    | 97       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 39454    | 5.411   | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157  | 45   | 61686    | 4.289   | ng    | 97       |
| 17) 2-Methylphenol            | 7.128  | 107  | 25221    | 3.978   | ng    | 99       |
| 18) Hexachloroethane          | 7.398  | 117  | 12475    | 3.972   | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.292  | 70   | 23365    | 4.057   | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 33258    | 4.162   | ng    | 96       |
| 22) Acetophenone              | 7.292  | 105  | 46244    | 4.238   | ng    | 95       |
| 24) Nitrobenzene              | 7.469  | 77   | 38800    | 4.152   | ng    | 98       |
| 25) Isophorone                | 7.698  | 82   | 61139    | 4.062   | ng    | 100      |
| 26) 2-Nitrophenol             | 7.781  | 139  | 12354    | 3.366   | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 19472    | 3.720   | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 36419    | 4.061   | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 25156    | 4.014   | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 29274    | 4.090   | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 97051    | 4.184   | ng    | 99       |
| 32) Benzoic acid              | 7.857  | 122  | 7619     | 1.598   | ng    | 95       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 34713    | 4.323   | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 16890    | 3.724   | ng    | 98       |
| 35) Caprolactam               | 8.557  | 113  | 6739     | 3.473   | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 25702    | 3.764   | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.880  | 142  | 62071    | 4.278   | ng    | 96       |
| 38) 1-Methylnaphthalene       | 8.980  | 142  | 57190    | 4.007   | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 29638    | 4.198   | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.033  | 237  | 8208     | 3.618   | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 16887    | 3.656   | ng    | 99       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 17982    | 3.715 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 82495    | 4.462 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 57604    | 4.127 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.463  | 65   | 17345    | 3.608 | ng    | 98       |
| 49) Acenaphthylene            | 9.786  | 152  | 92976    | 4.422 | ng    | 98       |
| 50) Dimethylphthalate         | 9.639  | 163  | 62629    | 4.141 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 12489    | 3.640 | ng    | 99       |
| 52) Acenaphthene              | 9.957  | 154  | 54302    | 3.894 | ng    | 95       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 13320    | 3.644 | ng #  | 98       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 1224     | 8.143 | ng #  | 1        |
| 55) Dibenzofuran              | 10.127 | 168  | 84407    | 4.222 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 6581     | 2.439 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 14482    | 3.316 | ng #  | 96       |
| 58) Fluorene                  | 10.469 | 166  | 66297    | 4.277 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 14126    | 3.708 | ng    | 95       |
| 60) Diethylphthalate          | 10.339 | 149  | 60317    | 4.053 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204  | 31887    | 4.266 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.474 | 138  | 11929    | 3.428 | ng    | 93       |
| 63) Azobenzene                | 10.627 | 77   | 63280    | 4.034 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 3150     | 1.524 | ng    | 87       |
| 66) n-Nitrosodiphenylamine    | 10.580 | 169  | 55258    | 4.244 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 17703    | 4.079 | ng    | 97       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 20259    | 4.078 | ng    | 98       |
| 69) Atrazine                  | 11.104 | 200  | 14704    | 4.895 | ng    | 98       |
| 70) Pentachlorophenol         | 11.210 | 266  | 6333     | 2.207 | ng    | 98       |
| 71) Phenanthrene              | 11.433 | 178  | 91135    | 4.361 | ng    | 98       |
| 72) Anthracene                | 11.486 | 178  | 87166    | 4.270 | ng    | 99       |
| 73) Carbazole                 | 11.639 | 167  | 75394    | 3.952 | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.974 | 149  | 72466    | 3.710 | ng    | 100      |
| 75) Fluoranthene              | 12.621 | 202  | 83193    | 3.971 | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 14209    | 3.295 | ng #  | 93       |
| 78) Pyrene                    | 12.851 | 202  | 85900    | 4.152 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 15262    | 3.133 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 57256    | 4.187 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 13316    | 3.666 | ng    | 99       |
| 83) Chrysene                  | 14.074 | 228  | 51490    | 4.034 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 17416    | 3.046 | ng #  | 97       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 26232    | 2.397 | ng #  | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.998 | 276  | 37424    | 2.898 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 43136    | 3.624 | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 15.115 | 252  | 41348    | 3.874 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.457 | 252  | 38820    | 3.840 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.021 | 278  | 29343    | 2.757 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.439 | 276  | 29409    | 2.677 | ng    | 96       |

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

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