

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021925\  
 Data File : BP024095.D  
 Acq On : 19 Feb 2025 12:35  
 Operator : RC/JU  
 Sample : Q1168-01  
 Misc : LOD-MDL-SOIL 4PPM  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2025

Quant Time: Feb 19 13:11:55 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP021725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 18 02:25:07 2025  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 7.758  | 152  | 335475   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.540 | 136  | 1305058  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.387 | 164  | 703515   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.181 | 188  | 1272863  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.628 | 240  | 1289999  | 20.000 | ng    | -0.02    |
| 86) Perylene-d12          | 24.998 | 264  | 1314739  | 20.000 | ng    | -0.04    |

|                             |        |     |         |         |    |       |
|-----------------------------|--------|-----|---------|---------|----|-------|
| System Monitoring Compounds |        |     |         |         |    |       |
| 5) 2-Fluorophenol           | 5.375  | 112 | 2358747 | 109.710 | ng | 0.00  |
| 7) Phenol-d6                | 6.946  | 99  | 3013908 | 109.069 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 8.911  | 82  | 2187413 | 93.508  | ng | 0.00  |
| 42) 2,4,6-Tribromophenol    | 15.898 | 330 | 886087  | 102.827 | ng | 0.00  |
| 45) 2-Fluorobiphenyl        | 12.999 | 172 | 4675377 | 92.907  | ng | 0.00  |
| 79) Terphenyl-d14           | 19.904 | 244 | 5809428 | 89.112  | ng | -0.01 |

|                               |        |     |         |       |        |      |
|-------------------------------|--------|-----|---------|-------|--------|------|
| Target Compounds              |        |     |         |       | Qvalue |      |
| 2) 1,4-Dioxane                | 3.317  | 88  | 38155   | 4.524 | ng     | 99   |
| 3) Pyridine                   | 3.723  | 79  | 84722   | 3.864 | ng     | 98   |
| 4) n-Nitrosodimethylamine     | 3.623  | 42  | 32862   | 4.225 | ng     | # 96 |
| 6) Aniline                    | 7.093  | 93  | 130258  | 5.147 | ng     | 98   |
| 8) 2-Chlorophenol             | 7.334  | 128 | 98516   | 4.329 | ng     | 95   |
| 9) Benzaldehyde               | 6.911  | 77  | 87190   | 6.911 | ng     | 96   |
| 10) Phenol                    | 6.969  | 94  | 122162  | 4.396 | ng     | 97   |
| 11) bis(2-Chloroethyl)ether   | 7.187  | 93  | 97523   | 4.456 | ng     | 99   |
| 12) 1,3-Dichlorobenzene       | 7.652  | 146 | 112040  | 4.482 | ng     | 99   |
| 13) 1,4-Dichlorobenzene       | 7.793  | 146 | 113429  | 4.487 | ng     | 99   |
| 14) 1,2-Dichlorobenzene       | 8.111  | 146 | 108925  | 4.489 | ng     | 100  |
| 15) Benzyl Alcohol            | 7.999  | 79  | 68426   | 4.045 | ng     | 98   |
| 16) 2,2'-oxybis(1-Chloropr... | 8.275  | 45  | 101665m | 4.785 | ng     |      |
| 17) 2-Methylphenol            | 8.205  | 107 | 65167   | 3.848 | ng     | 97   |
| 18) Hexachloroethane          | 8.834  | 117 | 41054   | 4.509 | ng     | 99   |
| 19) n-Nitroso-di-n-propyla... | 8.558  | 70  | 60000   | 4.038 | ng     | 99   |
| 20) 3+4-Methylphenols         | 8.528  | 107 | 86444   | 3.753 | ng     | 97   |
| 22) Acetophenone              | 8.575  | 105 | 142955  | 4.263 | ng     | # 99 |
| 24) Nitrobenzene              | 8.946  | 77  | 109239  | 4.745 | ng     | 97   |
| 25) Isophorone                | 9.475  | 82  | 144946  | 3.789 | ng     | 98   |
| 26) 2-Nitrophenol             | 9.652  | 139 | 31956   | 3.013 | ng     | 95   |
| 27) 2,4-Dimethylphenol        | 9.716  | 122 | 52393   | 3.763 | ng     | 97   |
| 28) bis(2-Chloroethoxy)met... | 9.946  | 93  | 113026  | 4.079 | ng     | 100  |
| 29) 2,4-Dichlorophenol        | 10.187 | 162 | 61452   | 3.234 | ng     | 97   |
| 30) 1,2,4-Trichlorobenzene    | 10.399 | 180 | 90108   | 4.139 | ng     | 97   |
| 31) Naphthalene               | 10.587 | 128 | 298336  | 4.251 | ng     | 100  |
| 32) Benzoic acid              | 9.787  | 122 | 29037m  | 9.166 | ng     |      |
| 33) 4-Chloroaniline           | 10.699 | 127 | 97918   | 3.961 | ng     | 99   |
| 34) Hexachlorobutadiene       | 10.875 | 225 | 54428   | 4.317 | ng     | 99   |
| 35) Caprolactam               | 11.469 | 113 | 14940m  | 7.637 | ng     |      |
| 36) 4-Chloro-3-methylphenol   | 11.828 | 107 | 57643   | 2.951 | ng     | 97   |
| 37) 2-Methylnaphthalene       | 12.193 | 142 | 185305  | 3.973 | ng     | 99   |
| 38) 1-Methylnaphthalene       | 12.416 | 142 | 176068  | 3.880 | ng     | 99   |
| 40) 1,2,4,5-Tetrachloroben... | 12.563 | 216 | 94818   | 4.386 | ng     | 99   |
| 41) Hexachlorocyclopentadiene | 12.552 | 237 | 29760   | 3.700 | ng     | 99   |
| 43) 2,4,6-Trichlorophenol     | 12.810 | 196 | 41869   | 3.176 | ng     | 97   |

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 LOD-MDL-SOIL-01-QT1-2025

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 QLast Update : Tue Feb 18 02:25:07 2025  
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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.887 | 196  | 46007    | 3.191 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.216 | 154  | 251168   | 4.594 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.257 | 162  | 179979   | 4.355 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.457 | 65   | 32946    | 3.375 | ng    | 89       |
| 49) Acenaphthylene            | 14.110 | 152  | 247925   | 4.072 | ng    | 100      |
| 50) Dimethylphthalate         | 13.840 | 163  | 194916   | 3.928 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.957 | 165  | 32156    | 3.181 | ng    | 86       |
| 52) Acenaphthene              | 14.451 | 154  | 163932   | 4.181 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.293 | 138  | 33787    | 3.132 | ng #  | 91       |
| 54) 2,4-Dinitrophenol         | 14.498 | 184  | 10172    | 9.157 | ng    | 95       |
| 55) Dibenzofuran              | 14.793 | 168  | 267189   | 4.195 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.622 | 139  | 21122    | 2.267 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 14.751 | 165  | 37388    | 2.847 | ng #  | 86       |
| 58) Fluorene                  | 15.451 | 166  | 195596   | 3.932 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.022 | 232  | 38340    | 3.065 | ng    | 99       |
| 60) Diethylphthalate          | 15.222 | 149  | 183805   | 3.731 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.445 | 204  | 96668    | 3.948 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.463 | 138  | 32135    | 5.632 | ng    | 94       |
| 63) Azobenzene                | 15.745 | 77   | 169137   | 3.664 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.528 | 198  | 15358    | 7.652 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.663 | 169  | 155927   | 3.928 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.351 | 248  | 55355    | 3.873 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.469 | 284  | 69559    | 4.136 | ng    | 98       |
| 69) Atrazine                  | 16.634 | 200  | 43396    | 4.260 | ng    | 97       |
| 70) Pentachlorophenol         | 16.828 | 266  | 25060    | 2.294 | ng    | 96       |
| 71) Phenanthrene              | 17.222 | 178  | 303152   | 4.224 | ng    | 99       |
| 72) Anthracene                | 17.316 | 178  | 265457   | 3.860 | ng    | 99       |
| 73) Carbazole                 | 17.598 | 167  | 238996   | 3.648 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.187 | 149  | 243973   | 3.191 | ng    | 99       |
| 75) Fluoranthene              | 19.304 | 202  | 306619   | 3.778 | ng    | 100      |
| 77) Benzidine                 | 19.498 | 184  | 60676    | 3.860 | ng    | 97       |
| 78) Pyrene                    | 19.681 | 202  | 325128   | 3.968 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.639 | 149  | 90884    | 2.895 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.610 | 228  | 326982   | 4.042 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.533 | 252  | 80559    | 3.187 | ng    | 99       |
| 83) Chrysene                  | 21.675 | 228  | 320543   | 4.110 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.557 | 149  | 130353   | 2.738 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.845 | 149  | 177864   | 2.337 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.821 | 276  | 329899   | 3.527 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 23.933 | 252  | 317225   | 3.800 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 24.004 | 252  | 314546   | 3.871 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.839 | 252  | 274228   | 3.870 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 28.909 | 278  | 274885   | 3.495 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.015 | 276  | 262112   | 3.284 | ng    | 98       |

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

