

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071425\  
 Data File : BM050422.D  
 Acq On : 14 Jul 2025 12:10  
 Operator : RC/JU  
 Sample : Q2126-03  
 Misc : MDL-MDL-SOIL-4 PPM  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2025

Quant Time: Jul 14 12:51:17 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM070925.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 08 18:32:25 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.863  | 152  | 433459   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.657 | 136  | 1577436  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.486 | 164  | 990334   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.221 | 188  | 1915892  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.439 | 240  | 2029636  | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 24.474 | 264  | 2165638  | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 3071326  | 121.966 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.022  | 99   | 3907611  | 123.096 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.016  | 82   | 2447668  | 79.164  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.968 | 330  | 1552849  | 129.053 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.116 | 172  | 6219313  | 77.554  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.833 | 244  | 10262413 | 88.963  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.340  | 88   | 39175    | 3.783   | ng    | 99       |
| 3) Pyridine                   | 3.740  | 79   | 97808    | 3.598   | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.646  | 42   | 46401    | 3.661   | ng    | # 95     |
| 6) Aniline                    | 7.187  | 93   | 145615   | 3.574   | ng    | 99       |
| 8) 2-Chlorophenol             | 7.428  | 128  | 102796   | 3.871   | ng    | 99       |
| 9) Benzaldehyde               | 6.998  | 77   | 89822m   | 4.757   | ng    |          |
| 10) Phenol                    | 7.045  | 94   | 122991   | 3.715   | ng    | 89       |
| 11) bis(2-Chloroethyl)ether   | 7.281  | 93   | 94223    | 3.553   | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.751  | 146  | 117434   | 3.637   | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.898  | 146  | 121087   | 3.673   | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.216  | 146  | 116594   | 3.694   | ng    | 98       |
| 15) Benzyl Alcohol            | 8.098  | 79   | 78620    | 3.515   | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.387  | 45   | 140750   | 3.604   | ng    | 99       |
| 17) 2-Methylphenol            | 8.298  | 107  | 72439    | 3.373   | ng    | 97       |
| 18) Hexachloroethane          | 8.945  | 117  | 40985    | 3.535   | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.663  | 70   | 65206    | 3.391   | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.622  | 107  | 90730    | 3.147   | ng    | 95       |
| 22) Acetophenone              | 8.681  | 105  | 141410   | 3.585   | ng    | # 98     |
| 24) Nitrobenzene              | 9.057  | 77   | 113227   | 4.104   | ng    | 99       |
| 25) Isophorone                | 9.586  | 82   | 171574   | 3.420   | ng    | 99       |
| 26) 2-Nitrophenol             | 9.769  | 139  | 33017    | 2.936   | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 9.828  | 122  | 79567    | 3.325   | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.063 | 93   | 113850   | 3.425   | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.298 | 162  | 79791    | 3.246   | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.522 | 180  | 103446   | 3.518   | ng    | 99       |
| 31) Naphthalene               | 10.704 | 128  | 291215   | 3.635   | ng    | 99       |
| 32) Benzoic acid              | 9.869  | 122  | 30508m   | 7.793   | ng    |          |
| 33) 4-Chloroaniline           | 10.810 | 127  | 113255   | 3.344   | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.004 | 225  | 63544    | 3.540   | ng    | 98       |
| 35) Caprolactam               | 11.557 | 113  | 18773    | 2.797   | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 11.927 | 107  | 71764    | 3.126   | ng    | 94       |
| 37) 2-Methylnaphthalene       | 12.316 | 142  | 172458   | 3.409   | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.533 | 142  | 181265   | 3.386   | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.680 | 216  | 108088   | 3.432   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.669 | 237  | 53799    | 2.672   | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.916 | 196  | 58507    | 3.018   | ng    | 100      |

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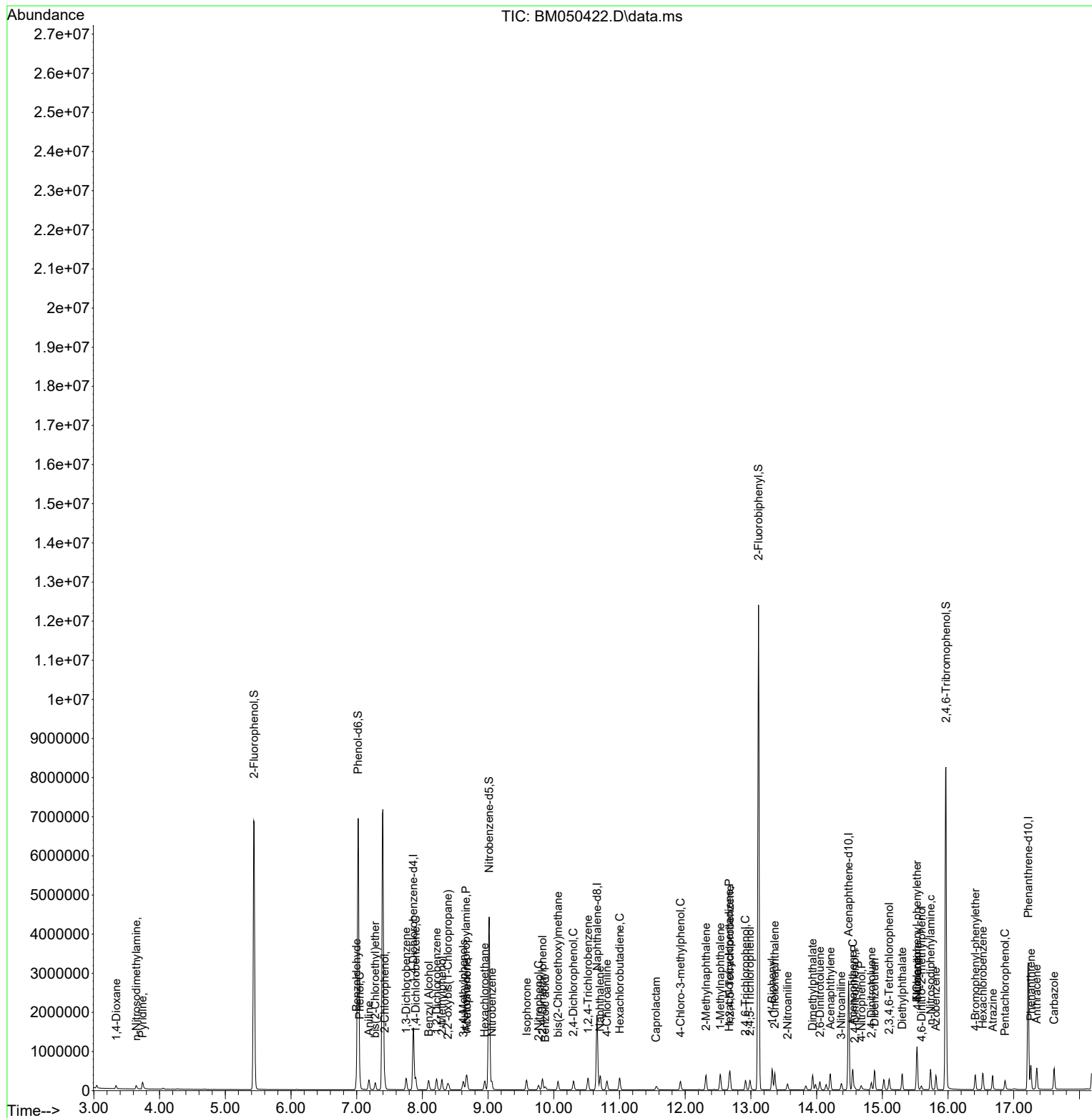
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| 44) 2,4,5-Trichlorophenol     | 12.986 | 196  | 65194    | 3.079 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.322 | 154  | 270107   | 3.676 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.363 | 162  | 212241   | 3.623 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.557 | 65   | 37574    | 2.873 | ng    | 91       |
| 49) Acenaphthylene            | 14.210 | 152  | 296554   | 3.350 | ng    | 99       |
| 50) Dimethylphthalate         | 13.939 | 163  | 243443   | 3.570 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.051 | 165  | 38371    | 2.931 | ng    | 93       |
| 52) Acenaphthene              | 14.551 | 154  | 196179   | 3.485 | ng    | 96       |
| 53) 3-Nitroaniline            | 14.374 | 138  | 37739    | 2.711 | ng #  | 89       |
| 54) 2,4-Dinitrophenol         | 14.580 | 184  | 11840    | 7.915 | ng    | 97       |
| 55) Dibenzofuran              | 14.880 | 168  | 315638   | 3.639 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.680 | 139  | 26330    | 2.199 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 14.833 | 165  | 43249    | 4.806 | ng #  | 89       |
| 58) Fluorene                  | 15.527 | 166  | 240574   | 3.368 | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.104 | 232  | 56459    | 3.168 | ng    | 99       |
| 60) Diethylphthalate          | 15.304 | 149  | 223226   | 3.427 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.527 | 204  | 121453   | 3.251 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.533 | 138  | 33903    | 4.591 | ng    | 82       |
| 63) Azobenzene                | 15.815 | 77   | 185980   | 3.110 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 198  | 17388    | 7.769 | ng    | 88       |
| 66) n-Nitrosodiphenylamine    | 15.733 | 169  | 192322   | 3.208 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 16.415 | 248  | 69243    | 3.280 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.527 | 284  | 84992    | 3.409 | ng    | 96       |
| 69) Atrazine                  | 16.680 | 200  | 61011    | 3.099 | ng    | 97       |
| 70) Pentachlorophenol         | 16.868 | 266  | 41123    | 2.650 | ng    | 97       |
| 71) Phenanthrene              | 17.262 | 178  | 384652   | 3.548 | ng    | 98       |
| 72) Anthracene                | 17.351 | 178  | 358172   | 3.319 | ng    | 99       |
| 73) Carbazole                 | 17.615 | 167  | 328138   | 3.361 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.186 | 149  | 311928   | 2.919 | ng    | 100      |
| 75) Fluoranthene              | 19.268 | 202  | 380150   | 3.226 | ng    | 99       |
| 77) Benzidine                 | 19.445 | 184  | 137986   | 2.665 | ng    | 99       |
| 78) Pyrene                    | 19.627 | 202  | 410853   | 3.161 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.527 | 149  | 123911   | 2.891 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.427 | 228  | 444908   | 3.364 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.345 | 252  | 129122   | 2.895 | ng    | 98       |
| 83) Chrysene                  | 21.486 | 228  | 426619   | 3.420 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.356 | 149  | 203277   | 2.988 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.503 | 149  | 295419   | 2.772 | ng #  | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 27.891 | 276  | 509193   | 3.307 | ng #  | 93       |
| 88) Benzo(b)fluoranthene      | 23.515 | 252  | 419693   | 3.151 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.574 | 252  | 429370   | 3.106 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.327 | 252  | 383770   | 3.078 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 27.956 | 278  | 423889   | 3.269 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 28.956 | 276  | 415955   | 3.394 | ng    | 99       |

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

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