

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM020625\  
 Data File : BM049584.D  
 Acq On : 06 Feb 2025 17:42  
 Operator : RC/JU  
 Sample : Q1168-02  
 Misc : LOQ-SOIL 10PPM  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2025

Quant Time: Feb 06 18:14:18 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM020525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 06 11:55:12 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025  
 Supervised By :mohammad ahmed 02/07/2025

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.822  | 152  | 197368   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.622 | 136  | 728612   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.463 | 164  | 446218   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.204 | 188  | 846964   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.439 | 240  | 747530   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.468 | 264  | 624371   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.393  | 112  | 736783   | 60.031 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.975  | 99   | 984094   | 61.201 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.975  | 82   | 871704   | 61.539 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.945 | 330  | 272944   | 51.622 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.086 | 172  | 2002013  | 58.122 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.827 | 244  | 2935831  | 59.973 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.293  | 88   | 46605    | 9.031  | ng    | 98       |
| 3) Pyridine                   | 3.693  | 79   | 238587   | 16.638 | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.599  | 42   | 117565   | 17.522 | ng    | 93       |
| 6) Aniline                    | 7.146  | 93   | 311894   | 20.465 | ng    | 99       |
| 8) 2-Chlorophenol             | 7.387  | 128  | 198591   | 16.204 | ng    | 99       |
| 9) Benzaldehyde               | 6.957  | 77   | 108439m  | 12.736 | ng    |          |
| 10) Phenol                    | 7.005  | 94   | 267086   | 16.864 | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.246  | 93   | 219042   | 17.095 | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.716  | 146  | 244778   | 17.207 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.857  | 146  | 246985   | 17.165 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.175  | 146  | 237992   | 17.130 | ng    | 100      |
| 15) Benzyl Alcohol            | 8.057  | 79   | 173710   | 15.528 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.352  | 45   | 326984   | 18.957 | ng    | 98       |
| 17) 2-Methylphenol            | 8.257  | 107  | 161589   | 16.686 | ng    | 98       |
| 18) Hexachloroethane          | 8.910  | 117  | 87837    | 16.713 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.628  | 70   | 173598   | 16.487 | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.581  | 107  | 205525   | 16.077 | ng    | 97       |
| 22) Acetophenone              | 8.640  | 105  | 170962   | 8.712  | ng    | # 95     |
| 24) Nitrobenzene              | 9.016  | 77   | 247039   | 17.950 | ng    | 98       |
| 25) Isophorone                | 9.546  | 82   | 443078   | 17.344 | ng    | 99       |
| 26) 2-Nitrophenol             | 9.728  | 139  | 48815    | 13.653 | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.793  | 122  | 159122   | 19.699 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.034 | 93   | 272008   | 16.532 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.263 | 162  | 162022   | 14.565 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.487 | 180  | 221378   | 16.244 | ng    | 97       |
| 31) Naphthalene               | 10.669 | 128  | 621268   | 16.167 | ng    | 99       |
| 32) Benzoic acid              | 9.834  | 122  | 16472m   | 9.025  | ng    |          |
| 33) 4-Chloroaniline           | 10.769 | 127  | 252461   | 17.552 | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.969 | 225  | 137195   | 16.810 | ng    | 98       |
| 35) Caprolactam               | 11.516 | 113  | 20781    | 6.124  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 11.892 | 107  | 157955   | 14.238 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.287 | 142  | 406315   | 15.018 | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.504 | 142  | 401340   | 15.246 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.651 | 216  | 124374   | 8.478  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.645 | 237  | 70739    | 18.888 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.887 | 196  | 109111   | 13.629 | ng    | 96       |

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| 44) 2,4,5-Trichlorophenol     | 12.957 | 196  | 128761   | 14.635 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.298 | 154  | 283152   | 8.318  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.334 | 162  | 443625   | 16.844 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.528 | 65   | 94451    | 15.629 | ng    | 96       |
| 49) Acenaphthylene            | 14.181 | 152  | 679036   | 17.485 | ng    | 100      |
| 50) Dimethylphthalate         | 13.922 | 163  | 497489   | 15.525 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.028 | 165  | 87705    | 15.817 | ng    | 91       |
| 52) Acenaphthene              | 14.528 | 154  | 407074   | 15.792 | ng    | 95       |
| 53) 3-Nitroaniline            | 14.351 | 138  | 93450    | 16.553 | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 14.557 | 184  | 11921    | 14.975 | ng    | 91       |
| 55) Dibenzofuran              | 14.863 | 168  | 648161   | 15.791 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.645 | 139  | 57613    | 12.106 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 14.810 | 165  | 107685   | 17.598 | ng    | 95       |
| 58) Fluorene                  | 15.510 | 166  | 542703   | 15.456 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.080 | 232  | 109561m  | 14.740 | ng    |          |
| 60) Diethylphthalate          | 15.286 | 149  | 484662   | 15.049 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.510 | 204  | 283756   | 15.183 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.510 | 138  | 100354   | 15.872 | ng    | 91       |
| 63) Azobenzene                | 15.798 | 77   | 562354   | 16.729 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.575 | 198  | 20599    | 14.743 | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 15.716 | 169  | 425458   | 15.928 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.398 | 248  | 153305   | 15.580 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.510 | 284  | 180987   | 16.026 | ng    | 97       |
| 69) Atrazine                  | 16.669 | 200  | 59719    | 7.521  | ng    | 99       |
| 70) Pentachlorophenol         | 16.851 | 266  | 60909    | 14.933 | ng    | 96       |
| 71) Phenanthrene              | 17.245 | 178  | 772823   | 16.017 | ng    | 100      |
| 72) Anthracene                | 17.333 | 178  | 765624   | 16.025 | ng    | 100      |
| 73) Carbazole                 | 17.598 | 167  | 677282   | 16.152 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.186 | 149  | 722900   | 13.586 | ng    | 99       |
| 75) Fluoranthene              | 19.257 | 202  | 821250   | 14.538 | ng    | 99       |
| 77) Benzidine                 | 19.439 | 184  | 61559    | 9.299  | ng    | 98       |
| 78) Pyrene                    | 19.621 | 202  | 850322   | 15.192 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.533 | 149  | 158848   | 9.120  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.421 | 228  | 804726   | 15.884 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.345 | 252  | 76924    | 5.643  | ng    | 94       |
| 83) Chrysene                  | 21.486 | 228  | 757636   | 15.962 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.380 | 149  | 319192   | 10.690 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.539 | 149  | 403005   | 8.556  | ng    | # 93     |
| 87) Indeno(1,2,3-cd)pyrene    | 27.886 | 276  | 545393   | 15.995 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.515 | 252  | 638837   | 14.873 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.580 | 252  | 647756   | 15.527 | ng    | 100      |
| 90) Benzo(a)pyrene            | 24.327 | 252  | 548970   | 16.128 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 27.962 | 278  | 412568   | 15.309 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 28.950 | 276  | 448387   | 14.894 | ng    | 99       |

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

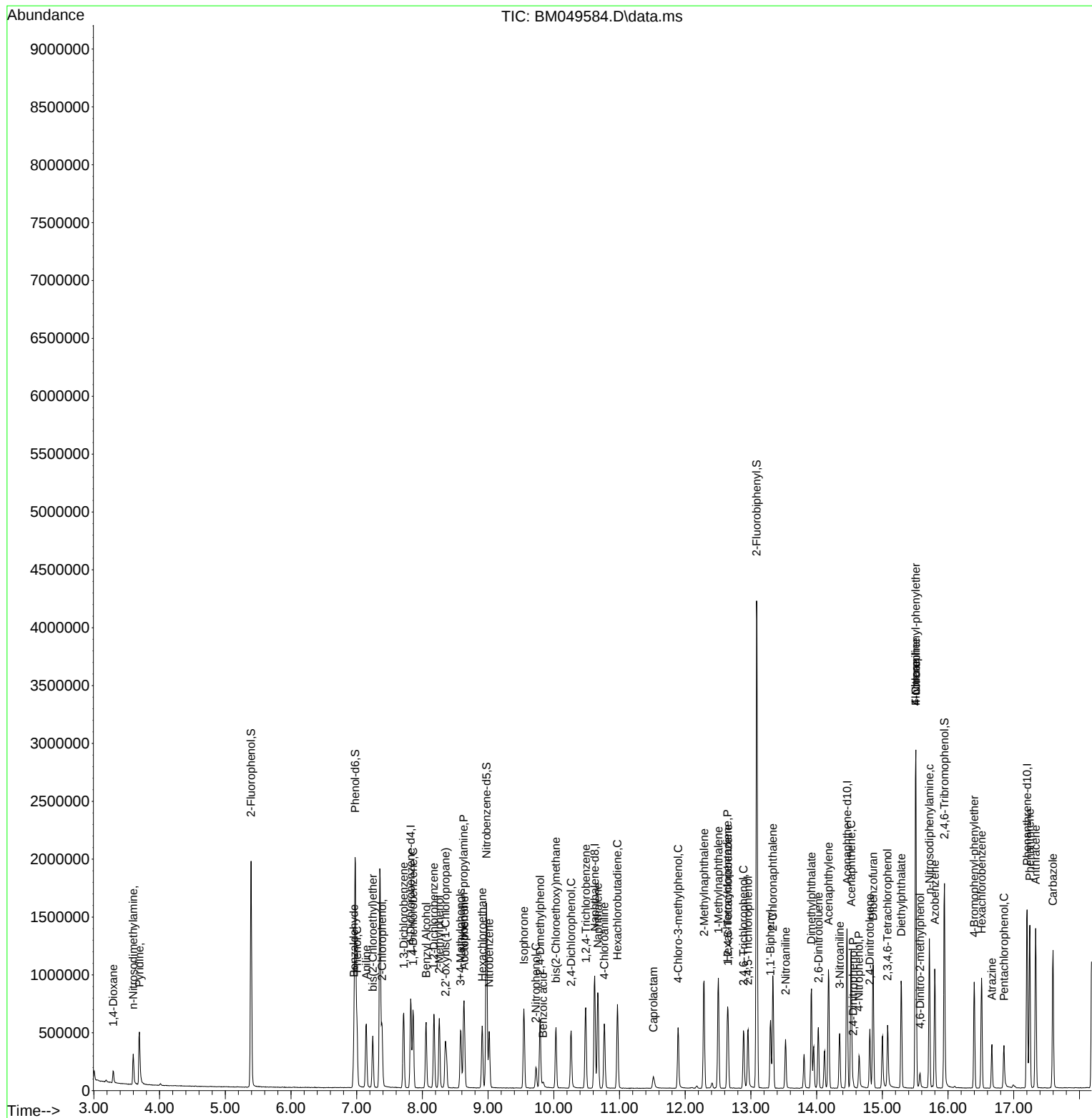
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