

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE091824\  
 Data File : BE101360.D  
 Acq On : 18 Sep 2024 13:00  
 Operator : RC/JU  
 Sample : P2403-02  
 Misc : LOQ-SOIL-10PPM  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2024

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024  
 Supervised By :mohammad ahmed 09/20/2024

Quant Time: Sep 18 14:54:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_E\Methods\8270-BE091724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 17 16:03:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.577  | 152  | 304720   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.344 | 136  | 1539971  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.187 | 164  | 1107256  | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 16.925 | 188  | 2497577  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.084 | 240  | 2754819  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.376 | 264  | 3348774  | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.320  | 112  | 1720676  | 98.730  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.954  | 99   | 2498460  | 101.126 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.787  | 82   | 1760009  | 72.457  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.697 | 330  | 1951766  | 104.801 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.812 | 172  | 4179891  | 65.234  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.521 | 244  | 5976196  | 48.102  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.217  | 88   | 54155    | 8.160   | ng    | 99       |
| 3) Pyridine                   | 3.716  | 79   | 132500m  | 6.931   | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.599  | 42   | 59270    | 8.630   | ng    | # 97     |
| 6) Aniline                    | 7.019  | 93   | 244286   | 11.785  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.218  | 128  | 182919   | 8.735   | ng    | 99       |
| 9) Benzaldehyde               | 6.789  | 77   | 137745   | 12.131  | ng    | 99       |
| 10) Phenol                    | 6.977  | 94   | 236543   | 8.710   | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.048  | 93   | 171367   | 7.456   | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.459  | 146  | 184777   | 8.210   | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.606  | 146  | 190866   | 8.323   | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.941  | 146  | 188315   | 8.287   | ng    | 99       |
| 15) Benzyl Alcohol            | 7.917  | 79   | 145150   | 9.867   | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.070  | 45   | 264842   | 9.143   | ng    | 99       |
| 17) 2-Methylphenol            | 8.158  | 107  | 138571   | 7.701   | ng    | 99       |
| 18) Hexachloroethane          | 8.634  | 117  | 63216    | 8.429   | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.376  | 70   | 155942   | 8.943   | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.499  | 107  | 189450   | 7.483   | ng    | 100      |
| 22) Acetophenone              | 8.429  | 105  | 313392   | 8.776   | ng    | # 99     |
| 24) Nitrobenzene              | 8.828  | 77   | 222521   | 8.581   | ng    | 100      |
| 25) Isophorone                | 9.281  | 82   | 448734   | 9.024   | ng    | 99       |
| 26) 2-Nitrophenol             | 9.516  | 139  | 105205   | 8.596   | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.633  | 122  | 57821    | 3.680   | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 9.780  | 93   | 260505   | 8.661   | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.062 | 162  | 178469   | 8.294   | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.185 | 180  | 194381   | 8.359   | ng    | 99       |
| 31) Naphthalene               | 10.391 | 128  | 653052   | 8.405   | ng    | 99       |
| 32) Benzoic acid              | 9.862  | 122  | 145973   | 14.725  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.614 | 127  | 261941   | 8.811   | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.638 | 225  | 108741   | 8.049   | ng    | 97       |
| 35) Caprolactam               | 11.419 | 113  | 72563    | 8.348   | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 11.789 | 107  | 201298   | 7.917   | ng    | 100      |
| 37) 2-Methylnaphthalene       | 11.983 | 142  | 477706   | 8.406   | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.207 | 142  | 456533   | 8.008   | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.336 | 216  | 230022   | 8.624   | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.318 | 237  | 36151    | 4.125   | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.659 | 196  | 156622   | 8.291   | ng    | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.759 | 196  | 174464   | 8.186  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.011 | 154  | 663796   | 8.847  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.058 | 162  | 497687   | 8.432  | ng    | 98       |
| 48) 2-Nitroaniline            | 13.387 | 65   | 133170   | 8.386  | ng    | 99       |
| 49) Acenaphthylene            | 13.916 | 152  | 815324   | 9.258  | ng    | 98       |
| 50) Dimethylphthalate         | 13.687 | 163  | 679383   | 8.503  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.822 | 165  | 141956   | 7.939  | ng    | 98       |
| 52) Acenaphthene              | 14.245 | 154  | 488151   | 8.408  | ng    | 98       |
| 53) 3-Nitroaniline            | 14.234 | 138  | 153340   | 8.337  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.369 | 184  | 98485    | 9.253  | ng    | 95       |
| 55) Dibenzofuran              | 14.586 | 168  | 803295   | 8.760  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.651 | 139  | 227550   | 14.881 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 14.604 | 165  | 192015   | 7.888  | ng    | # 90     |
| 58) Fluorene                  | 15.227 | 166  | 660717   | 8.551  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.856 | 232  | 175138   | 8.689  | ng    | 100      |
| 60) Diethylphthalate          | 15.015 | 149  | 717461   | 8.655  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.215 | 204  | 319595   | 8.432  | ng    | 98       |
| 62) 4-Nitroaniline            | 15.420 | 138  | 158951   | 8.292  | ng    | 98       |
| 63) Azobenzene                | 15.509 | 77   | 628601   | 8.874  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.350 | 198  | 106116   | 7.482  | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 15.462 | 169  | 578174   | 8.685  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.102 | 248  | 217865   | 8.397  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.202 | 284  | 275937   | 8.229  | ng    | 98       |
| 69) Atrazine                  | 16.396 | 200  | 230223   | 10.472 | ng    | 99       |
| 70) Pentachlorophenol         | 16.613 | 266  | 271325   | 13.542 | ng    | 99       |
| 71) Phenanthrene              | 16.960 | 178  | 1097745  | 9.254  | ng    | 97       |
| 72) Anthracene                | 17.048 | 178  | 1003156  | 8.690  | ng    | 98       |
| 73) Carbazole                 | 17.377 | 167  | 1061254  | 8.972  | ng    | 98       |
| 74) Di-n-butylphthalate       | 17.829 | 149  | 1307334  | 10.065 | ng    | # 95     |
| 75) Fluoranthene              | 18.969 | 202  | 1351687  | 9.466  | ng    | 94       |
| 77) Benzidine                 | 19.222 | 184  | 258594   | 5.656  | ng    | 99       |
| 78) Pyrene                    | 19.333 | 202  | 1428915  | 9.326  | ng    | 93       |
| 80) Butylbenzylphthalate      | 20.191 | 149  | 640922   | 9.450  | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.061 | 228  | 1538555  | 9.945  | ng    | 93       |
| 82) 3,3'-Dichlorobenzidine    | 21.037 | 252  | 568978   | 9.386  | ng    | 99       |
| 83) Chrysene                  | 21.120 | 228  | 1472027  | 9.905  | ng    | 92       |
| 84) Bis(2-ethylhexyl)phtha... | 20.890 | 149  | 902002   | 10.056 | ng    | # 95     |
| 85) Di-n-octyl phthalate      | 21.742 | 149  | 1517454  | 10.364 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 25.691 | 276  | 2100665  | 9.521  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 22.659 | 252  | 1646672  | 9.494  | ng    | 95       |
| 89) Benzo(k)fluoranthene      | 22.706 | 252  | 1595237  | 9.745  | ng    | 95       |
| 90) Benzo(a)pyrene            | 23.258 | 252  | 1473040  | 9.624  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 25.685 | 278  | 1749702  | 9.472  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 26.437 | 276  | 1629288  | 8.687  | ng    | 98       |

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

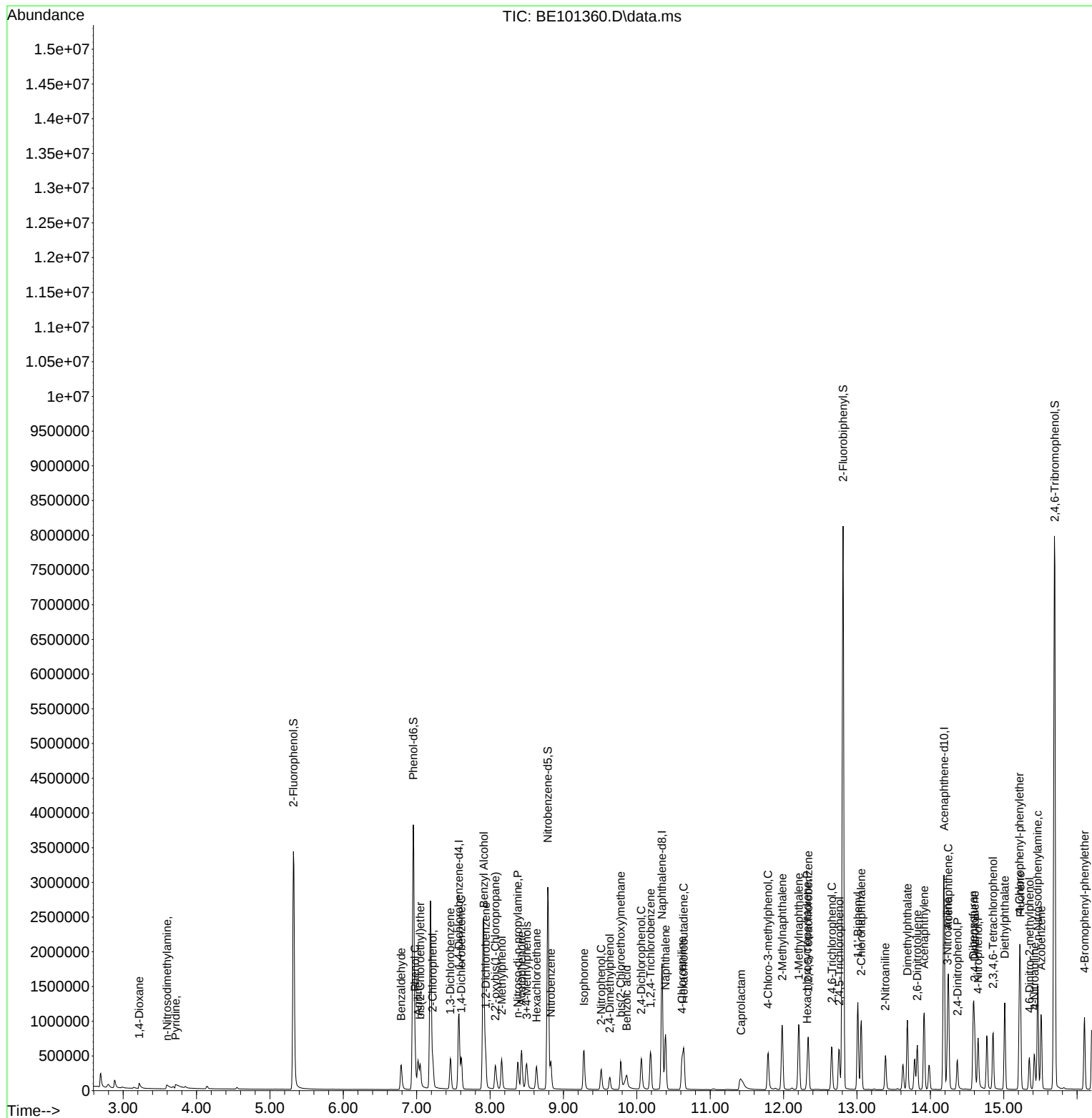
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