

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN051723\  
 Data File : BN025451.D  
 Acq On : 17 May 2023 12:03  
 Operator : CG/JU  
 Sample : 02500-14  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PT-PAH-SOIL

Quant Time: May 17 12:58:58 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN051623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 17 02:52:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.084  | 152  | 3847     | 0.400  | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.910 | 136  | 11399    | 0.400  | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.715 | 164  | 7082     | 0.400  | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.460 | 188  | 17009    | 0.400  | ng    | 0.00     |
| 29) Chrysene-d12              | 21.643 | 240  | 17368    | 0.400  | ng    | 0.00     |
| 35) Perylene-d12              | 24.170 | 264  | 18986    | 0.400  | ng    | -0.03    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) 2-Fluorophenol             | 5.614  | 112  | 3272     | 0.396  | ng    | 0.00     |
| 5) Phenol-d6                  | 7.225  | 99   | 4628     | 0.417  | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.244  | 82   | 3086     | 0.396  | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.487 | 152  | 6055     | 0.380  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.206 | 330  | 1010     | 0.421  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.347 | 172  | 9991     | 0.386  | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.485 | 212  | 18386    | 0.455  | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.076 | 244  | 12726    | 0.403  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 9) Naphthalene                | 10.953 | 128  | 253453   | 8.910  | ng    | 99       |
| 12) 2-Methylnaphthalene       | 12.559 | 142  | 110778   | 5.294  | ng    | 100      |
| 16) Acenaphthylene            | 14.437 | 152  | 391842   | 12.000 | ng    | 100      |
| 17) Acenaphthene              | 14.779 | 154  | 446668   | 22.004 | ng    | 99       |
| 18) Fluorene                  | 15.759 | 166  | 136341   | 5.113  | ng    | 98       |
| 25) Phenanthrene              | 17.497 | 178  | 600710   | 12.551 | ng    | 100      |
| 26) Anthracene                | 17.596 | 178  | 675434   | 14.580 | ng    | 100      |
| 28) Fluoranthene              | 19.515 | 202  | 180785   | 3.191  | ng    | 99       |
| 30) Pyrene                    | 19.877 | 202  | 306420   | 4.621  | ng    | 99       |
| 32) Benzo(a)anthracene        | 21.625 | 228  | 178589   | 2.928  | ng    | 99       |
| 33) Chrysene                  | 21.688 | 228  | 235051   | 3.879  | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.553 | 149  | 8419     | 0.236  | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.816 | 276  | 728228   | 9.492  | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 23.398 | 252  | 603445   | 9.068  | ng    | 96       |
| 38) Benzo(k)fluoranthene      | 23.451 | 252  | 674363   | 9.865  | ng    | 96       |
| 39) Benzo(a)pyrene            | 24.062 | 252  | 553846   | 8.737  | ng    | 95       |
| 40) Dibenzo(a,h)anthracene    | 26.845 | 278  | 463715   | 7.524  | ng    | 97       |
| 41) Benzo(g,h,i)perylene      | 27.632 | 276  | 737733   | 11.348 | ng    | 98       |
| -----                         |        |      |          |        |       |          |

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

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