

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090524\  
 Data File : BN033766.D  
 Acq On : 05 Sep 2024 13:33  
 Operator : MA/JU  
 Sample : P2403-02  
 Misc : LOQ-SOIL-0.2ng  
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Sep 05 14:59:59 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN090424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 04 18:36:01 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/05/2024  
 Supervised By :mohammad ahmed 09/07/2024

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.516  | 152  | 6933     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.272 | 136  | 18275    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.146 | 164  | 8531     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 16.904 | 188  | 17020    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.112 | 240  | 13266    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.268 | 264  | 14145    | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.154  | 112  | 6443     | 0.304 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.707  | 99   | 8306     | 0.331 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.649  | 82   | 5606     | 0.360 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.869 | 152  | 14310    | 0.554 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.651 | 330  | 1245     | 0.289 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.767 | 172  | 12677    | 0.356 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.942 | 212  | 24059    | 0.573 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.560 | 244  | 10032    | 0.355 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.168  | 88   | 1857     | 0.235 | ng    | 97       |
| 3) n-Nitrosodimethylamine     | 3.464  | 42   | 1885     | 0.204 | ng    | 96       |
| 6) bis(2-Chloroethyl)ether    | 6.953  | 93   | 4406     | 0.232 | ng    | 99       |
| 9) Naphthalene                | 10.325 | 128  | 10554    | 0.216 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.613 | 225  | 2125     | 0.209 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 11.945 | 142  | 6436     | 0.215 | ng    | 98       |
| 16) Acenaphthylene            | 13.868 | 152  | 7686     | 0.208 | ng    | 99       |
| 17) Acenaphthene              | 14.210 | 154  | 5338     | 0.211 | ng    | 98       |
| 18) Fluorene                  | 15.204 | 166  | 6566     | 0.211 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.290 | 198  | 416      | 0.155 | ng    | 87       |
| 21) 4-Bromophenyl-phenylether | 16.110 | 248  | 2011     | 0.204 | ng    | 95       |
| 22) Hexachlorobenzene         | 16.209 | 284  | 2317     | 0.205 | ng    | 98       |
| 23) Atrazine                  | 16.383 | 200  | 1526     | 0.194 | ng    | # 88     |
| 24) Pentachlorophenol         | 16.557 | 266  | 970      | 0.210 | ng    | 98       |
| 25) Phenanthrene              | 16.942 | 178  | 10181    | 0.217 | ng    | 100      |
| 26) Anthracene                | 17.029 | 178  | 8510     | 0.209 | ng    | 99       |
| 28) Fluoranthene              | 18.975 | 202  | 10813    | 0.206 | ng    | 99       |
| 30) Pyrene                    | 19.337 | 202  | 10822    | 0.202 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.094 | 228  | 9898     | 0.209 | ng    | 98       |
| 33) Chrysene                  | 21.148 | 228  | 10219    | 0.218 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.059 | 149  | 5477     | 0.212 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.396 | 276  | 12874    | 0.220 | ng    | 98       |
| 37) Benzo(b)fluoranthene      | 22.630 | 252  | 10443    | 0.201 | ng    | 97       |
| 38) Benzo(k)fluoranthene      | 22.674 | 252  | 11391m   | 0.225 | ng    |          |
| 39) Benzo(a)pyrene            | 23.174 | 252  | 8967     | 0.206 | ng    | 96       |
| 40) Dibenzo(a,h)anthracene    | 25.414 | 278  | 10217    | 0.218 | ng    | 99       |
| 41) Benzo(g,h,i)perylene      | 26.045 | 276  | 10430    | 0.205 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

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

