

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM011223\  
 Data File : BM038436.D  
 Acq On : 12 Jan 2023 11:57  
 Operator : CG/JU  
 Sample : N4239-04  
 Misc : SFAM-SIM-MDL-S-02-0.07NG  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-SOIL-QT3-2022-06

Quant Time: Jan 12 12:33:26 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM123022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 12 01:15:30 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023  
 Supervised By :mohammad ahmed 01/13/2023

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.000  | 152  | 1261     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.812 | 136  | 3586     | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.629 | 164  | 2014     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.375 | 188  | 4056     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.545 | 240  | 4378     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.971 | 264  | 4877     | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.368  | 96   | 988      | 0.526 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.401 | 152  | 1717     | 0.319 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.394 | 212  | 4069     | 0.328 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.402  | 88   | 174m     | 0.090 | ng/ul  |          |
| 5) Naphthalene              | 10.862 | 128  | 563      | 0.059 | ng/ul# | 66       |
| 7) 2-Methylnaphthalene      | 12.473 | 142  | 314      | 0.053 | ng/ul  | 86       |
| 8) 1-Methylnaphthalene      | 12.687 | 142  | 319      | 0.053 | ng/ul  | 93       |
| 10) Acenaphthylene          | 14.356 | 152  | 515      | 0.055 | ng/ul# | 74       |
| 11) Acenaphthene            | 14.694 | 153  | 416      | 0.060 | ng/ul  | 92       |
| 12) Fluorene                | 15.684 | 166  | 425      | 0.054 | ng/ul# | 92       |
| 14) Pentachlorophenol       | 17.037 | 266  | 170      | 0.118 | ng/ul# | 89       |
| 15) Phenanthrene            | 17.417 | 178  | 670      | 0.056 | ng/ul# | 80       |
| 16) Anthracene              | 17.514 | 178  | 585      | 0.053 | ng/ul# | 72       |
| 19) Fluoranthene            | 19.427 | 202  | 884      | 0.058 | ng/ul# | 75       |
| 20) Pyrene                  | 19.789 | 202  | 924      | 0.057 | ng/ul# | 82       |
| 21) Benzo(a)anthracene      | 21.530 | 228  | 820      | 0.056 | ng/ul# | 87       |
| 22) Chrysene                | 21.583 | 228  | 875      | 0.057 | ng/ul# | 89       |
| 24) Benzo(b)fluoranthene    | 23.234 | 252  | 1010     | 0.057 | ng/ul# | 61       |
| 25) Benzo(k)fluoranthene    | 23.281 | 252  | 971      | 0.055 | ng/ul# | 56       |
| 26) Benzo(a)pyrene          | 23.868 | 252  | 897      | 0.054 | ng/ul# | 49       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.518 | 276  | 1306     | 0.053 | ng/ul# | 96       |
| 28) Dibenzo(a,h)anthracene  | 26.532 | 278  | 990      | 0.052 | ng/ul# | 55       |
| 29) Benzo(g,h,i)perylene    | 27.296 | 276  | 1144     | 0.053 | ng/ul# | 75       |
| -----                       |        |      |          |       |        |          |

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

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