

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101923\  
 Data File : BM042373.D  
 Acq On : 19 Oct 2023 16:52  
 Operator : MA/JU  
 Sample : 04696-03  
 Misc : SFAM-SIM-MDL--SOIL-01  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-SOIL-QT4-2023-07

Quant Time: Oct 19 17:27:15 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM101823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 18 14:30:27 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2023  
 Supervised By :mohammad ahmed 10/21/2023

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.013  | 152  | 3683     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.834 | 136  | 9631     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.652 | 164  | 3988     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.405 | 188  | 7541     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.583 | 240  | 3092     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.050 | 264  | 3154     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.372  | 96   | 2225     | 0.409 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.418 | 152  | 4525     | 0.382 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.427 | 212  | 5658     | 0.404 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.410  | 88   | 658m     | 0.114 | ng/ul  |          |
| 5) Naphthalene              | 10.884 | 128  | 2144     | 0.070 | ng/ul# | 89       |
| 7) 2-Methylnaphthalene      | 12.489 | 142  | 1218     | 0.068 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.709 | 142  | 1193     | 0.065 | ng/ul  | 96       |
| 10) Acenaphthylene          | 14.384 | 152  | 1634     | 0.068 | ng/ul# | 91       |
| 11) Acenaphthene            | 14.717 | 153  | 1353     | 0.069 | ng/ul  | 97       |
| 12) Fluorene                | 15.707 | 166  | 1403     | 0.066 | ng/ul# | 94       |
| 14) Pentachlorophenol       | 17.042 | 266  | 232      | 0.080 | ng/ul  | 96       |
| 15) Phenanthrene            | 17.447 | 178  | 2227     | 0.068 | ng/ul# | 89       |
| 16) Anthracene              | 17.544 | 178  | 1743     | 0.063 | ng/ul# | 89       |
| 19) Fluoranthene            | 19.455 | 202  | 2297     | 0.068 | ng/ul# | 93       |
| 20) Pyrene                  | 19.822 | 202  | 2316     | 0.066 | ng/ul  | 94       |
| 21) Benzo(a)anthracene      | 21.565 | 228  | 1576     | 0.068 | ng/ul# | 92       |
| 22) Chrysene                | 21.618 | 228  | 1739     | 0.073 | ng/ul  | 95       |
| 24) Benzo(b)fluoranthene    | 23.287 | 252  | 1787     | 0.070 | ng/ul  | 57       |
| 25) Benzo(k)fluoranthene    | 23.339 | 252  | 1690     | 0.069 | ng/ul# | 51       |
| 26) Benzo(a)pyrene          | 23.942 | 252  | 1477     | 0.073 | ng/ul# | 48       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.653 | 276  | 1852     | 0.071 | ng/ul  | 94       |
| 28) Dibenzo(a,h)anthracene  | 26.673 | 278  | 1327     | 0.071 | ng/ul# | 69       |
| 29) Benzo(g,h,i)perylene    | 27.451 | 276  | 1679     | 0.074 | ng/ul# | 83       |
| -----                       |        |      |          |       |        |          |

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

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