

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032625\  
 Data File : BM049763.D  
 Acq On : 26 Mar 2025 11:30  
 Operator : RC/JU  
 Sample : Q1546-04  
 Misc : MDL-SOIL-QT1-2025  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-SOIL-QT1-2025-02

Quant Time: Mar 26 12:20:09 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM030425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 04 13:03:01 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.800  | 152  | 8080     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.590 | 136  | 20769    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.437 | 164  | 12048    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.179 | 188  | 23725    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.353 | 240  | 16412    | 0.400 | ng/ul  | -0.01    |
| 23) Perylene-d12            | 23.630 | 264  | 15191    | 0.400 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.244  | 96   | 4420     | 0.467 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.185 | 152  | 10035    | 0.324 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.202 | 212  | 21122    | 0.397 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.282  | 88   | 733      | 0.073 | ng/ul# | 81       |
| 5) Naphthalene              | 10.639 | 128  | 3740     | 0.068 | ng/ul# | 92       |
| 7) 2-Methylnaphthalene      | 12.262 | 142  | 2437     | 0.069 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.482 | 142  | 2395     | 0.066 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.155 | 152  | 3482     | 0.065 | ng/ul  | 94       |
| 11) Acenaphthene            | 14.497 | 153  | 2722     | 0.069 | ng/ul  | 95       |
| 12) Fluorene                | 15.487 | 166  | 2996     | 0.069 | ng/ul  | 97       |
| 14) Pentachlorophenol       | 16.833 | 266  | 333      | 0.066 | ng/ul  | 96       |
| 15) Phenanthrene            | 17.221 | 178  | 4837     | 0.068 | ng/ul  | 97       |
| 16) Anthracene              | 17.310 | 178  | 3845     | 0.060 | ng/ul# | 94       |
| 19) Fluoranthene            | 19.234 | 202  | 5391     | 0.079 | ng/ul  | 97       |
| 20) Pyrene                  | 19.597 | 202  | 5569     | 0.077 | ng/ul# | 95       |
| 21) Benzo(a)anthracene      | 21.338 | 228  | 4006     | 0.066 | ng/ul  | 97       |
| 22) Chrysene                | 21.391 | 228  | 4668     | 0.073 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.946 | 252  | 4406m    | 0.081 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.993 | 252  | 4405m    | 0.077 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.533 | 252  | 4126     | 0.080 | ng/ul# | 28       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.950 | 276  | 5331     | 0.073 | ng/ul# | 97       |
| 28) Dibenzo(a,h)anthracene  | 25.967 | 278  | 3903     | 0.069 | ng/ul# | 76       |
| 29) Benzo(g,h,i)perylene    | 26.657 | 276  | 4326     | 0.073 | ng/ul# | 89       |
| -----                       |        |      |          |       |        |          |

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

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