

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072624\  
 Data File : BM046865.D  
 Acq On : 27 Jul 2024 12:50  
 Operator : MA/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD0.4188

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/29/2024  
 Supervised By :mohammad ahmed 08/05/2024

Quant Time: Jul 28 23:30:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 24 15:10:37 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.464  | 152  | 5028     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.222 | 136  | 13713    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.109 | 164  | 8798     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.863 | 188  | 16104    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.076 | 240  | 8186     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.203 | 264  | 9345     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.096  | 96   | 1224     | 0.348 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.816 | 152  | 8981     | 0.412 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 18.904 | 212  | 13024    | 0.489 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.126  | 88   | 1429     | 0.355 | ng/ul  | 92       |
| 5) Naphthalene              | 10.266 | 128  | 14031    | 0.405 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 11.893 | 142  | 10014    | 0.419 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.119 | 142  | 10255    | 0.416 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.822 | 152  | 16147    | 0.401 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.174 | 153  | 10759    | 0.393 | ng/ul  | 98       |
| 12) Fluorene                | 15.168 | 166  | 12791    | 0.374 | ng/ul  | 96       |
| 14) Pentachlorophenol       | 16.525 | 266  | 2019     | 0.277 | ng/ul  | 100      |
| 15) Phenanthrene            | 16.905 | 178  | 17911    | 0.387 | ng/ul  | 98       |
| 16) Anthracene              | 16.998 | 178  | 16693    | 0.387 | ng/ul  | 100      |
| 19) Fluoranthene            | 18.937 | 202  | 17253    | 0.480 | ng/ul  | 99       |
| 20) Pyrene                  | 19.300 | 202  | 17140    | 0.461 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.061 | 228  | 13262    | 0.389 | ng/ul  | 99       |
| 22) Chrysene                | 21.111 | 228  | 12959    | 0.374 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 22.572 | 252  | 13900    | 0.339 | ng/ul  | 99       |
| 25) Benzo(k)fluoranthene    | 22.615 | 252  | 13516m   | 0.327 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.110 | 252  | 11514    | 0.391 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.306 | 276  | 17768    | 0.392 | ng/ul# | 97       |
| 28) Dibenzo(a,h)anthracene  | 25.319 | 278  | 13429    | 0.405 | ng/ul  | 99       |
| 29) Benzo(g,h,i)perylene    | 25.943 | 276  | 17253    | 0.432 | ng/ul  | 97       |

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

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