

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071123\  
 Data File : BN026465.D  
 Acq On : 11 Jul 2023 16:31  
 Operator : MA/JU  
 Sample : 03414-13  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4640

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/12/2023  
 Supervised By :mohammad ahmed 07/12/2023

Quant Time: Jul 12 02:12:38 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Jul 09 15:51:14 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.917  | 152  | 3548     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.721 | 136  | 12436    | 0.400 | ng/ul  | #-0.02   |
| 9) Acenaphthene-d10         | 14.561 | 164  | 7066     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.313 | 188  | 12587    | 0.400 | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.517 | 240  | 7687     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.952 | 264  | 9093     | 0.400 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.297  | 96   | 7088     | 1.774 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.321 | 152  | 2241     | 0.117 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.345 | 212  | 3917     | 0.134 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.770 | 128  | 10113    | 0.284 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.392 | 142  | 681      | 0.030 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.279 | 152  | 1013     | 0.031 | ng/ul# | 60       |
| 12) Fluorene                | 15.611 | 166  | 641      | 0.021 | ng/ul# | 91       |
| 15) Phenanthrene            | 17.351 | 178  | 8663     | 0.208 | ng/ul  | 97       |
| 16) Anthracene              | 17.444 | 178  | 2212     | 0.060 | ng/ul# | 78       |
| 19) Fluoranthene            | 19.373 | 202  | 12448    | 0.303 | ng/ul  | 99       |
| 20) Pyrene                  | 19.735 | 202  | 10445m   | 0.245 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.502 | 228  | 4051     | 0.128 | ng/ul# | 88       |
| 22) Chrysene                | 21.552 | 228  | 3720     | 0.113 | ng/ul# | 89       |
| 24) Benzo(b)fluoranthene    | 23.212 | 252  | 4790m    | 0.123 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.256 | 252  | 2166m    | 0.056 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.844 | 252  | 2149     | 0.064 | ng/ul# | 19       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.517 | 276  | 2259     | 0.061 | ng/ul# | 86       |
| -----                       |        |      |          |       |        |          |

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

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