

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072023\  
 Data File : BN026625.D  
 Acq On : 21 Jul 2023 12:41  
 Operator : MA/JU  
 Sample : 03472-19  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A46R0

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/22/2023  
 Supervised By :mohammad ahmed 07/22/2023

Quant Time: Jul 21 15:47:15 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN071223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 20 22:32:26 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.832  | 152  | 2332     | 0.400 | ng/ul  | -0.03    |
| 4) Naphthalene-d8           | 10.630 | 136  | 8099     | 0.400 | ng/ul  | #-0.02   |
| 9) Acenaphthene-d10         | 14.471 | 164  | 5225     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.219 | 188  | 16811    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.416 | 240  | 10916    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.790 | 264  | 10194    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.199  | 96   | 7099     | 2.311 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.231 | 152  | 4345     | 0.395 | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.246 | 212  | 14637    | 0.387 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.680 | 128  | 3054     | 0.137 | ng/ul# | 93       |
| 7) 2-Methylnaphthalene      | 12.308 | 142  | 923      | 0.073 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.522 | 142  | 603      | 0.045 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.189 | 152  | 6019     | 0.235 | ng/ul  | 95       |
| 11) Acenaphthene            | 14.536 | 153  | 2993     | 0.154 | ng/ul  | 99       |
| 12) Fluorene                | 15.517 | 166  | 4580     | 0.224 | ng/ul# | 96       |
| 15) Phenanthrene            | 17.257 | 178  | 85700    | 1.601 | ng/ul  | 98       |
| 16) Anthracene              | 17.350 | 178  | 14753    | 0.318 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.278 | 202  | 184783   | 3.611 | ng/ul  | 99       |
| 20) Pyrene                  | 19.641 | 202  | 166904   | 3.004 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.399 | 228  | 70357    | 1.754 | ng/ul  | 99       |
| 22) Chrysene                | 21.454 | 228  | 77269    | 1.692 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.071 | 252  | 87058m   | 2.192 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.111 | 252  | 32002m   | 0.769 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.682 | 252  | 52387    | 1.482 | ng/ul# | 80       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.244 | 276  | 35405    | 0.764 | ng/ul# | 90       |
| 28) Dibenzo(a,h)anthracene  | 26.247 | 278  | 8039     | 0.226 | ng/ul# | 91       |
| 29) Benzo(g,h,i)perylene    | 26.999 | 276  | 35089    | 0.858 | ng/ul  | 95       |
| -----                       |        |      |          |       |        |          |

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

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