

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082423\  
 Data File : BN027101.D  
 Acq On : 24 Aug 2023 17:24  
 Operator : MA/JU  
 Sample : 03968-31RE  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48P9RE

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/25/2023  
 Supervised By :mohammad ahmed 08/25/2023

Quant Time: Aug 25 03:51:01 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 23 02:28:27 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.088  | 152  | 10925    | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.911 | 136  | 36444    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.717 | 164  | 21829    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.464 | 188  | 59128    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.638 | 240  | 39186    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.173 | 264  | 38884    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.431  | 96   | 35041    | 2.702 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.489 | 152  | 7193     | 0.134 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.478 | 212  | 18156    | 0.147 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.966 | 128  | 9289     | 0.090 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.560 | 142  | 4515     | 0.072 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.775 | 142  | 3897     | 0.060 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.444 | 152  | 15637    | 0.128 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.777 | 153  | 16728    | 0.198 | ng/ul  | 99       |
| 12) Fluorene                | 15.762 | 166  | 19896    | 0.208 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.502 | 178  | 368949   | 1.899 | ng/ul  | 99       |
| 16) Anthracene              | 17.595 | 178  | 79443    | 0.453 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.511 | 202  | 592326   | 3.639 | ng/ul  | 99       |
| 20) Pyrene                  | 19.878 | 202  | 599632m  | 3.453 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.618 | 228  | 290887   | 1.866 | ng/ul  | 99       |
| 22) Chrysene                | 21.676 | 228  | 281748   | 1.832 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.386 | 252  | 341415m  | 2.321 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.436 | 252  | 111375m  | 0.768 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.059 | 252  | 246620   | 1.858 | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.844 | 276  | 125532   | 0.723 | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 26.871 | 278  | 30730    | 0.222 | ng/ul# | 86       |
| 29) Benzo(g,h,i)perylene    | 27.689 | 276  | 118130   | 0.817 | ng/ul  | 99       |

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

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