

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071224\  
 Data File : BN032677.D  
 Acq On : 12 Jul 2024 17:59  
 Operator : MA/JU  
 Sample : P3087-16  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4BR1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/13/2024  
 Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 12 18:46:49 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071224.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jul 12 01:40:24 2024

Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.553  | 152  | 4865     | 0.400 | ng/ul  | -0.03    |
| 4) Naphthalene-d8           | 10.321 | 136  | 14301    | 0.400 | ng/ul  | -0.04    |
| 9) Acenaphthene-d10         | 14.202 | 164  | 7509     | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 16.957 | 188  | 14297m   | 0.400 | ng/ul  | -0.03    |
| 17) Chrysene-d12            | 21.171 | 240  | 12275m   | 0.400 | ng/ul  | -0.02    |
| 23) Perylene-d12            | 23.366 | 264  | 13004m   | 0.400 | ng/ul  | -0.03    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.101  | 96   | 18877    | 3.232 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.927 | 152  | 5128     | 0.237 | ng/ul  | -0.04    |
| 18) Fluoranthene-d10        | 18.999 | 212  | 10735    | 0.268 | ng/ul  | -0.03    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.371 | 128  | 2928     | 0.076 | ng/ul# | 92       |
| 7) 2-Methylnaphthalene      | 12.004 | 142  | 941      | 0.039 | ng/ul  | 92       |
| 8) 1-Methylnaphthalene      | 12.224 | 142  | 697      | 0.028 | ng/ul  | 95       |
| 10) Acenaphthylene          | 13.920 | 152  | 5584     | 0.184 | ng/ul  | 95       |
| 11) Acenaphthene            | 14.262 | 153  | 2594     | 0.103 | ng/ul  | 98       |
| 12) Fluorene                | 15.257 | 166  | 3078     | 0.107 | ng/ul# | 98       |
| 15) Phenanthrene            | 16.999 | 178  | 58082m   | 1.492 | ng/ul  |          |
| 16) Anthracene              | 17.092 | 178  | 12529m   | 0.394 | ng/ul  |          |
| 19) Fluoranthene            | 19.032 | 202  | 126575   | 2.536 | ng/ul  | 97       |
| 20) Pyrene                  | 19.394 | 202  | 111421   | 2.157 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.156 | 228  | 56542    | 1.447 | ng/ul  | 96       |
| 22) Chrysene                | 21.209 | 228  | 62601    | 1.108 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.711 | 252  | 91086m   | 1.985 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.749 | 252  | 34466m   | 0.616 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.269 | 252  | 61722    | 1.554 | ng/ul# | 88       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.576 | 276  | 49799    | 0.926 | ng/ul# | 90       |
| 28) Dibenzo(a,h)anthracene  | 25.572 | 278  | 11151    | 0.268 | ng/ul# | 71       |
| 29) Benzo(g,h,i)perylene    | 26.253 | 276  | 49363    | 1.099 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

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

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