

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
 Data File : BG061425.D  
 Acq On : 3 Jun 2024 16:07  
 Operator : MA/JU  
 Sample : P2577-10  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBNS

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024  
 Supervised By :mohammad ahmed 06/05/2024

Quant Time: Jun 03 23:40:12 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 30 22:54:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.874  | 152  | 33962    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.670 | 136  | 133284   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.513 | 164  | 101800   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.263 | 188  | 234413   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.517 | 240  | 246217   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.607 | 264  | 279885   | 20.000 | ng/ul  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.338  | 96   | 3113     | 5.130  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.749  | 84   | 4712     | 2.183  | ng/ul  | 0.01     |
| 7) Phenol-d5                  | 7.063  | 99   | 78579    | 28.175 | ng/ul  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.204  | 67   | 49985    | 28.514 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.415  | 132  | 64996    | 31.489 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.591  | 113  | 68633    | 28.860 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.031  | 128  | 33075    | 32.231 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.754  | 143  | 38272    | 31.867 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.306 | 165  | 75418    | 32.211 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.806 | 131  | 247      | 0.081  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.920 | 166  | 250260   | 31.697 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.202 | 160  | 277639   | 33.824 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.754 | 143  | 19126    | 19.594 | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.506 | 176  | 224189   | 32.889 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.647 | 200  | 39499    | 27.860 | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.363 | 188  | 358517   | 34.691 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.654 | 212  | 434352   | 34.357 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.401 | 264  | 467927   | 34.775 | ng/ul  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 6) Benzaldehyde               | 7.016  | 77   | 51265    | 35.154 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.649  | 108  | 4028     | 1.651  | ng/ul# | 53       |
| 72) Phenanthrene              | 17.304 | 178  | 136141   | 11.966 | ng/ul  | 97       |
| 74) Anthracene                | 17.392 | 178  | 22600    | 1.921  | ng/ul  | 99       |
| 77) Carbazole                 | 17.668 | 167  | 12032    | 1.257  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.319 | 202  | 278840   | 18.386 | ng/ul  | 99       |
| 82) Pyrene                    | 19.683 | 202  | 263924   | 16.765 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.571 | 149  | 27659    | 5.115  | ng/ul  | 93       |
| 85) Benzo(a)anthracene        | 21.499 | 228  | 150414   | 8.854  | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.405 | 149  | 159121   | 19.878 | ng/ul# | 98       |
| 87) Chrysene                  | 21.558 | 228  | 166250   | 10.628 | ng/ul  | 96       |
| 90) Benzo(b)fluoranthene      | 23.632 | 252  | 232031   | 13.924 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.685 | 252  | 76516m   | 4.523  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.460 | 252  | 152232   | 9.620  | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.121 | 276  | 115490m  | 6.035  | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.144 | 278  | 30199m   | 1.914  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.213 | 276  | 97538    | 6.407  | ng/ul# | 97       |
| -----                         |        |      |          |        |        |          |

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

