

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
 Data File : BM041281.D  
 Acq On : 04 Aug 2023 02:58  
 Operator : MA/JU  
 Sample : 03815-02 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BUILDING-A-2-(0-5)

Quant Time: Aug 04 03:52:28 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 02 19:20:51 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/04/2023  
 Supervised By :mohammad ahmed 08/04/2023

| Compound                    | R.T.   | QIon | Response  | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|-----------|---------|-------|----------|
| -----                       |        |      |           |         |       |          |
| Internal Standards          |        |      |           |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.792  | 152  | 162304    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.616 | 136  | 724819    | 20.000  | ng    | 0.01     |
| 39) Acenaphthene-d10        | 14.468 | 164  | 523495    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.239 | 188  | 947176    | 20.000  | ng    | 0.02     |
| 76) Chrysene-d12            | 21.450 | 240  | 733479    | 20.000  | ng    | 0.02     |
| 86) Perylene-d12            | 23.833 | 264  | 939552    | 20.000  | ng    | # 0.03   |
|                             |        |      |           |         |       |          |
| System Monitoring Compounds |        |      |           |         |       |          |
| 5) 2-Fluorophenol           | 5.369  | 112  | 109867    | 10.117  | ng    | 0.00     |
| 7) Phenol-d6                | 6.981  | 99   | 153137    | 10.879  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.975  | 82   | 105420    | 6.764   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.968 | 330  | 70524     | 9.524   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.080 | 172  | 262835    | 6.342   | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.868 | 244  | 451437    | 11.128  | ng    | 0.00     |
|                             |        |      |           |         |       |          |
| Target Compounds            |        |      |           |         |       | Qvalue   |
| 31) Naphthalene             | 10.680 | 128  | 31766991m | 807.646 | ng    |          |
| 37) 2-Methylnaphthalene     | 12.304 | 142  | 15430382  | 581.897 | ng    | 98       |
| 38) 1-Methylnaphthalene     | 12.527 | 142  | 11192187  | 450.957 | ng    | 100      |
| 46) 1,1'-Biphenyl           | 13.304 | 154  | 5401972   | 127.288 | ng    | 98       |
| 49) Acenaphthylene          | 14.210 | 152  | 11384311  | 222.580 | ng    | 98       |
| 52) Acenaphthene            | 14.539 | 154  | 3777941   | 122.611 | ng    | 99       |
| 55) Dibenzofuran            | 14.868 | 168  | 1166483   | 23.204  | ng    | # 85     |
| 58) Fluorene                | 15.545 | 166  | 10100409  | 254.682 | ng    | 98       |
| 71) Phenanthrene            | 17.298 | 178  | 29416262  | 558.972 | ng    | 97       |
| 72) Anthracene              | 17.398 | 178  | 13377397  | 257.022 | ng    | 98       |
| 73) Carbazole               | 17.651 | 167  | 780902    | 16.577  | ng    | 97       |
| 75) Fluoranthene            | 19.333 | 202  | 16217031  | 274.289 | ng    | 96       |
| 78) Pyrene                  | 19.692 | 202  | 23424137m | 456.671 | ng    |          |
| 81) Benzo(a)anthracene      | 21.433 | 228  | 11683336  | 234.964 | ng    | # 89     |
| 83) Chrysene                | 21.492 | 228  | 10858034  | 225.762 | ng    | 93       |
| 87) Indeno(1,2,3-cd)pyrene  | 26.315 | 276  | 4667078   | 67.563  | ng    | # 92     |
| 88) Benzo(b)fluoranthene    | 23.121 | 252  | 9430911m  | 168.967 | ng    |          |
| 89) Benzo(k)fluoranthene    | 23.156 | 252  | 2861924m  | 50.127  | ng    |          |
| 90) Benzo(a)pyrene          | 23.750 | 252  | 11410189m | 212.755 | ng    |          |
| 91) Dibenzo(a,h)anthracene  | 26.315 | 278  | 1658186   | 28.780  | ng    | 96       |
| 92) Benzo(g,h,i)perylene    | 27.085 | 276  | 5207668   | 92.373  | ng    | # 95     |
| -----                       |        |      |           |         |       |          |

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

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