

Data File : BN007177.D  
Acq On : 14 Aug 2019 23:29  
Operator : HP/JU  
Sample : K4239-16  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PST-034-B230-080519

Quant Time: Aug 15 11:44:01 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN081019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 13 12:12:02 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.43  | 152  | 7575     | 0.40 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.19 | 136  | 27767    | 0.40 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.07 | 164  | 14946    | 0.40 | ng    | -0.01    |
| 18) Phenanthrene-d10      | 16.82 | 188  | 34206    | 0.40 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.05 | 240  | 33975    | 0.40 | ng    | -0.01    |
| 32) Perylene-d12          | 23.15 | 264  | 39355    | 0.40 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 3) 2-Fluorophenol           | 5.06  | 112  | 5032     | 0.28 | ng    | 0.00     |
| 4) Phenol-d6                | 6.61  | 99   | 6448     | 0.29 | ng    | 0.00     |
| 7) Nitrobenzene-d5          | 8.55  | 82   | 5313     | 0.24 | ng    | -0.01    |
| 10) 2-Methylnaphthalene-d10 | 11.79 | 152  | 10645    | 0.21 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol    | 15.57 | 330  | 652      | 0.08 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl        | 12.71 | 172  | 1799     | 0.08 | ng    | 0.00     |
| 24) Fluoranthene-d10        | 18.87 | 212  | 23913    | 0.20 | ng    | 0.00     |
| 28) Terphenyl-d14           | 19.48 | 244  | 17549    | 0.19 | ng    | -0.01    |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 11) 2-Methylnaphthalene    | 11.86 | 142  | 1170     | 0.021 | ng    | # 86   |
| 15) Acenaphthylene         | 13.79 | 152  | 12243    | 0.157 | ng    | 98     |
| 16) Acenaphthene           | 14.13 | 154  | 1329     | 0.027 | ng    | 94     |
| 17) Fluorene               | 15.12 | 166  | 3273     | 0.044 | ng    | # 79   |
| 22) Phenanthrene           | 16.87 | 178  | 54103    | 0.528 | ng    | 99     |
| 23) Anthracene             | 16.95 | 178  | 7546     | 0.081 | ng    | 97     |
| 25) Fluoranthene           | 18.90 | 202  | 58386    | 0.445 | ng    | 99     |
| 27) Pyrene                 | 19.26 | 202  | 100398   | 0.843 | ng    | 97     |
| 29) Benzo(a)anthracene     | 21.02 | 228  | 42794m   | 0.344 | ng    |        |
| 30) Chrysene               | 21.08 | 228  | 50331    | 0.417 | ng    | 97     |
| 31) Indeno(1,2,3-cd)pyrene | 25.23 | 276  | 20534    | 0.154 | ng    | 98     |
| 33) Benzo(b)fluoranthene   | 22.53 | 252  | 41882    | 0.310 | ng    | # 91   |
| 34) Benzo(k)fluoranthene   | 22.57 | 252  | 16232m   | 0.122 | ng    |        |
| 35) Benzo(a)pyrene         | 23.06 | 252  | 34858    | 0.285 | ng    | # 93   |
| 36) Dibenzo(a,h)anthracene | 25.24 | 278  | 6441     | 0.053 | ng    | # 36   |
| 37) Benzo(g,h,i)perylene   | 25.86 | 276  | 25307    | 0.202 | ng    | # 92   |

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

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