

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\  
 Data File : BF110856.D  
 Acq On : 19 Nov 2018 16:38  
 Operator : JU/SJ  
 Sample : J5981-02 10X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DTW-02(11-13)

Manual Integrations  
 APPROVED

Sohil  
 11/20/2018 2:00:42 PM

Quant Time: Nov 20 10:24:22 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 08 14:14:47 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|-------|------|----------|---------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.94  | 152  | 58155    | 20.00   | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.22  | 136  | 244846   | 20.00   | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.98  | 164  | 101696   | 20.00   | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.48 | 188  | 158328   | 20.00   | ng    | 0.00     |
| 76) Chrysene-d12            | 14.13 | 240  | 137994   | 20.00   | ng    | 0.00     |
| 87) Perylene-d12            | 15.66 | 264  | 109125   | 20.00   | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 33868    | 9.46    | ng    | 0.00     |
| 7) Phenol-d6                | 6.57  | 99   | 46446    | 10.14   | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 27089    | 6.37    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.78 | 330  | 8006     | 7.81    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.30  | 172  | 49314    | 6.93    | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.06 | 244  | 39550    | 5.37    | ng    | -0.01    |
| Target Compounds            |       |      |          |         |       | Qvalue   |
| 31) Naphthalene             | 8.25  | 128  | 176538   | 15.359  | ng    | 98       |
| 33) 4-Chloroaniline         | 8.25  | 127  | 21889    | 4.204   | ng    | # 33     |
| 37) 2-Methylnaphthalene     | 8.94  | 142  | 25687    | 3.409   | ng    | 98       |
| 38) 1-Methylnaphthalene     | 9.04  | 142  | 24225    | 3.343   | ng    | 100      |
| 49) Acenaphthylene          | 9.85  | 152  | 145818   | 14.815  | ng    | 99       |
| 52) Acenaphthene            | 10.02 | 154  | 49927    | 8.026   | ng    | 98       |
| 55) Dibenzofuran            | 10.19 | 168  | 93808    | 10.308  | ng    | 98       |
| 58) Fluorene                | 10.53 | 166  | 157045   | 22.466  | ng    | 100      |
| 71) Phenanthrene            | 11.51 | 178  | 864664   | 101.936 | ng    | 99       |
| 72) Anthracene              | 11.56 | 178  | 368121   | 43.021  | ng    | 98       |
| 73) Carbazole               | 11.72 | 167  | 54950    | 6.687   | ng    | 99       |
| 75) Fluoranthene            | 12.70 | 202  | 1133558  | 133.294 | ng    | 99       |
| 78) Pyrene                  | 12.94 | 202  | 896571   | 84.381  | ng    | 99       |
| 81) Benzo(a)anthracene      | 14.12 | 228  | 492835   | 59.752  | ng    | 97       |
| 83) Chrysene                | 14.16 | 228  | 397042   | 50.528  | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene  | 17.24 | 276  | 140534   | 24.923  | ng    | 96       |
| 88) Benzo(b)fluoranthene    | 15.21 | 252  | 413398m  | 63.325  | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.24 | 252  | 154635m  | 23.972  | ng    |          |
| 90) Benzo(a)pyrene          | 15.60 | 252  | 290155   | 48.919  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene  | 17.24 | 278  | 38910m   | 7.752   | ng    |          |
| 92) Benzo(g,h,i)perylene    | 17.72 | 276  | 116486   | 23.390  | ng    | 97       |

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

