

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\  
 Data File : BF117042.D  
 Acq On : 14 Sep 2019 00:12  
 Operator : HP/JU  
 Sample : K4668-04 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-02-091219

Manual Integrations  
 APPROVED

Jagrut  
 9/16/2019 3:29:44 PM

Quant Time: Sep 14 06:12:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 13 16:23:17 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.82  | 152  | 74060    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.10  | 136  | 298337   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.85  | 164  | 144069   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.33 | 188  | 196900   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.97 | 240  | 135435   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.41 | 264  | 124845   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.44  | 112  | 217037   | 45.75 | ng    | 0.00     |
| 7) Phenol-d6                | 6.45  | 99   | 312860   | 51.03 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 184962   | 32.58 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.64 | 330  | 53268    | 44.24 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.17  | 172  | 348965   | 37.87 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.91 | 244  | 234117   | 32.31 | ng    | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 50) Dimethylphthalate      | 9.56  | 163  | 21559    | 2.113  | ng    | # 97   |
| 52) Acenaphthene           | 9.88  | 154  | 19797    | 2.500  | ng    | 94     |
| 58) Fluorene               | 10.40 | 166  | 29080    | 3.089  | ng    | # 96   |
| 71) Phenanthrene           | 11.36 | 178  | 215829   | 19.298 | ng    | 99     |
| 72) Anthracene             | 11.41 | 178  | 64039    | 5.609  | ng    | 94     |
| 75) Fluoranthene           | 12.54 | 202  | 269716   | 23.471 | ng    | 96     |
| 78) Pyrene                 | 12.77 | 202  | 230208   | 20.258 | ng    | 99     |
| 81) Benzo(a)anthracene     | 13.96 | 228  | 112637   | 12.448 | ng    | 99     |
| 83) Chrysene               | 13.99 | 228  | 100257   | 11.360 | ng    | 98     |
| 86) Indeno(1,2,3-cd)pyrene | 16.84 | 276  | 37078    | 5.759  | ng    | 95     |
| 88) Benzo(b)fluoranthene   | 14.99 | 252  | 110711m  | 14.640 | ng    |        |
| 89) Benzo(k)fluoranthene   | 15.02 | 252  | 42792m   | 5.974  | ng    |        |
| 90) Benzo(a)pyrene         | 15.35 | 252  | 77063    | 11.613 | ng    | 95     |
| 91) Dibenzo(a,h)anthracene | 16.85 | 278  | 13388    | 2.532  | ng    | # 81   |
| 92) Benzo(a,h,i)perylene   | 17.27 | 276  | 39966    | 7.587  | ng    | 96     |

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

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