

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093019\  
 Data File : BF117274.D  
 Acq On : 30 Sep 2019 21:21  
 Operator : JU  
 Sample : K4668-16 2X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-04-092619

Manual Integrations  
 APPROVED

mohammad  
 10/2/2019 8:32:47 AM

Quant Time: Oct 01 02:24:35 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   | 6.81  | 152  | 25231    | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8          | 8.09  | 136  | 93452    | 20.00  | ng    | -0.01     |
| 39) Acenaphthene-d10        | 9.84  | 164  | 40240    | 20.00  | ng    | -0.02     |
| 64) Phenanthrene-d10        | 11.33 | 188  | 64802    | 20.00  | ng    | 0.00      |
| 76) Chrysene-d12            | 13.97 | 240  | 68538    | 20.00  | ng    | 0.00      |
| 87) Perylene-d12            | 15.43 | 264  | 60230    | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.43  | 112  | 74177    | 45.90  | ng    | 0.00      |
| 7) Phenol-d6                | 6.45  | 99   | 98733    | 47.27  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 56087    | 31.53  | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330  | 15038    | 44.71  | ng    | -0.01     |
| 45) 2-Fluorobiphenyl        | 9.16  | 172  | 95688    | 37.18  | ng    | -0.01     |
| 79) Terphenyl-d14           | 12.91 | 244  | 99883    | 27.24  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 49) Acenaphthylene          | 9.70  | 152  | 12558    | 3.365  | ng    | Qvalue 94 |
| 50) Dimethylphthalate       | 9.56  | 163  | 9162     | 3.216  | ng    | # 98      |
| 71) Phenanthrene            | 11.35 | 178  | 33279    | 9.041  | ng    | 98        |
| 72) Anthracene              | 11.41 | 178  | 16414m   | 4.368  | ng    |           |
| 75) Fluoranthene            | 12.55 | 202  | 122871   | 32.489 | ng    | 97        |
| 78) Pyrene                  | 12.77 | 202  | 123625   | 21.497 | ng    | 98        |
| 81) Benzo(a)anthracene      | 13.96 | 228  | 79076    | 17.269 | ng    | 99        |
| 83) Chrysene                | 14.00 | 228  | 68401    | 15.316 | ng    | 98        |
| 86) Indeno(1,2,3-cd)pyrene  | 16.88 | 276  | 27553    | 8.456  | ng    | 97        |
| 88) Benzo(b)fluoranthene    | 15.01 | 252  | 78166m   | 21.425 | ng    |           |
| 89) Benzo(k)fluoranthene    | 15.03 | 252  | 31395m   | 9.084  | ng    |           |
| 90) Benzo(a)pyrene          | 15.37 | 252  | 53403    | 16.681 | ng    | 98        |
| 91) Dibenzo(a,h)anthracene  | 16.87 | 278  | 8763     | 3.436  | ng    | # 90      |
| 92) Benzo(g,h,i)perylene    | 17.32 | 276  | 22887    | 9.005  | ng    | 95        |

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

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