

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\  
 Data File : BF116968.D  
 Acq On : 12 Sep 2019 1:07  
 Operator : HP/JU  
 Sample : K4787-05  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5-S(1-4)

Manual Integrations  
 APPROVED

mohammad  
 9/16/2019 8:58:16 AM

Quant Time: Sep 12 08:08:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 10 17:49:40 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 71786    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.10  | 136  | 288391   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 9.86  | 164  | 144170   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.33 | 188  | 219989   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 13.97 | 240  | 135612   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 15.42 | 264  | 169081   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.45  | 112  | 431065   | 97.28  | ng    | 0.00     |
| 7) Phenol-d6                | 6.46  | 99   | 594021   | 102.09 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 367974   | 72.84  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.64 | 330  | 103575   | 107.46 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.17  | 172  | 595518   | 69.68  | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.92 | 244  | 430567   | 58.74  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 50) Dimethylphthalate       | 9.57  | 163  | 77303    | 7.766  | ng    | 99       |
| 71) Phenanthrene            | 11.36 | 178  | 271834   | 22.198 | ng    | 99       |
| 72) Anthracene              | 11.41 | 178  | 76674    | 6.220  | ng    | 98       |
| 75) Fluoranthene            | 12.54 | 202  | 364298   | 30.270 | ng    | 99       |
| 78) Pyrene                  | 12.77 | 202  | 392551   | 32.563 | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.96 | 228  | 140861   | 16.412 | ng    | 99       |
| 83) Chrysene                | 13.99 | 228  | 119428   | 13.506 | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene  | 16.84 | 276  | 78051    | 10.989 | ng    | 96       |
| 88) Benzo(b)fluoranthene    | 15.00 | 252  | 143649m  | 14.052 | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.02 | 252  | 53517m   | 5.742  | ng    |          |
| 90) Benzo(a)pyrene          | 15.35 | 252  | 130926   | 14.721 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene  | 16.84 | 278  | 16821    | 2.161  | ng    | # 87     |
| 92) Benzo(a,h,i)perylene    | 17.27 | 276  | 75319    | 9.487  | ng    | 95       |

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

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