

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\  
 Data File : BF115890.D  
 Acq On : 1 Aug 2019 2:05  
 Operator : HP/JU  
 Sample : K4049-05 5X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-5

Manual Integrations  
 APPROVED

mohammad  
 8/1/2019 5:07:26 PM

Quant Time: Aug 01 08:51:33 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 31 15:31:51 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 118166   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 439938   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.89  | 164  | 209176   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.38 | 188  | 350074   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.03 | 240  | 299657   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.50 | 264  | 264645   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.47  | 112  | 144117   | 20.42  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.48  | 99   | 214583   | 24.09  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 114987   | 15.09  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.69 | 330  | 18341    | 9.04   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.21  | 172  | 222200   | 19.90  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.96 | 244  | 229458   | 16.14  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 50) Dimethylphthalate          | 9.60  | 163  | 49973    | 3.509  | ng    | 97       |
| 71) Phenanthrene               | 11.40 | 178  | 182052   | 10.172 | ng    | 99       |
| 72) Anthracene                 | 11.46 | 178  | 47881    | 2.644  | ng    | 99       |
| 75) Fluoranthene               | 12.60 | 202  | 344245   | 18.374 | ng    | 99       |
| 78) Pyrene                     | 12.83 | 202  | 326010   | 14.433 | ng    | 98       |
| 81) Benzo(a)anthracene         | 14.02 | 228  | 154246   | 8.053  | ng    | 98       |
| 83) Chrysene                   | 14.05 | 228  | 142176   | 7.646  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phthalate | 14.00 | 149  | 179838   | 14.484 | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.98 | 276  | 53968    | 3.456  | ng    | 96       |
| 88) Benzo(b)fluoranthene       | 15.07 | 252  | 147813m  | 9.660  | ng    |          |
| 89) Benzo(k)fluoranthene       | 15.10 | 252  | 35451m   | 2.379  | ng    |          |
| 90) Benzo(a)pyrene             | 15.44 | 252  | 91648    | 6.700  | ng    | # 89     |
| 92) Benzo(a,h,i)perylene       | 17.43 | 276  | 49972    | 4.297  | ng    | # 94     |

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

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