

Data Path : Z:\HPCHEM1\BNA N\DATA\BN041918\  
 Data File : BN000770.D  
 Acq On : 19 Apr 2018 11:45  
 Operator : JU/SJ  
 Sample : SSTD04051  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD04051

Quant Time: Apr 19 12:39:56 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN041918-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 19 12:31:08 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.63  | 152  | 131525   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.39 | 136  | 542877   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.26 | 164  | 278152   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.00 | 188  | 562871   | 20.00  | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 21.21 | 240  | 547888   | 20.00  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.40 | 264  | 570878   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 3) 2,4-Dichlorophenol-d3    | 10.02 | 165  | 324585   | 38.69  | ng/ul  | 0.00     |
| 7) Acenaphthylene-d8        | 13.95 | 160  | 1118237  | 37.62  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.26 | 176  | 724785   | 37.22  | ng/ul  | 0.00     |
| 15) Anthracene-d10          | 17.10 | 188  | 1058305  | 39.27  | ng/ul  | 0.00     |
| 19) Pyrene-d10              | 19.41 | 212  | 1087239  | 33.01  | ng/ul  | 0.00     |
| 26) Benzo(a)pyrene-d12      | 23.26 | 264  | 1118362  | 40.50  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 4) Naphthalene              | 10.45 | 128  | 1103401  | 40.018 | ng/ul  | 99       |
| 5) 2-Methylnaphthalene      | 12.06 | 142  | 735561   | 38.125 | ng/ul  | 96       |
| 8) Acenaphthylene           | 13.97 | 152  | 1086520  | 39.378 | ng/ul  | 99       |
| 9) Acenaphthene             | 14.32 | 153  | 735887   | 38.971 | ng/ul  | 98       |
| 11) Fluorene                | 15.31 | 166  | 789235   | 35.271 | ng/ul  | 99       |
| 13) Pentachlorophenol       | 16.66 | 266  | 144388   | 56.039 | ng/ul  | 98       |
| 14) Phenanthrene            | 17.05 | 178  | 1221692  | 38.756 | ng/ul  | 99       |
| 16) Anthracene              | 17.14 | 178  | 1252759  | 39.756 | ng/ul  | 98       |
| 17) Fluoranthene            | 19.07 | 202  | 1327029  | 37.087 | ng/ul# | 72       |
| 20) Pyrene                  | 19.44 | 202  | 1357090  | 32.935 | ng/ul# | 73       |
| 21) Benzo(a)anthracene      | 21.20 | 228  | 1314063  | 37.927 | ng/ul  | 99       |
| 22) Chrysene                | 21.25 | 228  | 1222182  | 38.364 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.75 | 252  | 1350377  | 37.624 | ng/ul# | 95       |
| 25) Benzo(k)fluoranthene    | 22.80 | 252  | 1243754  | 36.476 | ng/ul# | 95       |
| 27) Benzo(a)pyrene          | 23.31 | 252  | 1290365  | 37.876 | ng/ul# | 94       |
| 28) Indeno(1,2,3-cd)pyrene  | 25.58 | 276  | 1527938  | 38.968 | ng/ul# | 84       |
| 29) Dibenzo(a,h)anthracene  | 25.60 | 278  | 1280378  | 39.014 | ng/ul# | 91       |
| 30) Benzo(g,h,i)perylene    | 26.24 | 276  | 1279195  | 40.956 | ng/ul# | 86       |

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

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