

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM040417\  
 Data File : BM009525.D  
 Acq On : 04 Apr 2017 12:14  
 Operator : SJ/MA  
 Sample : SSTD02038  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02038

Manual Integrations  
 APPROVED

mohammad  
 4/4/2017 5:36:35 PM

Quant Time: Apr 04 13:07:00 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM040417-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 04 13:01:56 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.85  | 152  | 105912   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.64 | 136  | 438980   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.49 | 164  | 262129   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.24 | 188  | 631864   | 20.00  | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 21.42 | 240  | 850441   | 20.00  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.74 | 264  | 798080   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 3) 2,4-Dichlorophenol-d3    | 10.26 | 165  | 135650   | 19.04  | ng/uL  | 0.00     |
| 7) Acenaphthylene-d8        | 14.18 | 160  | 509974   | 22.95  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.48 | 176  | 368176   | 18.90  | ng/ul  | 0.00     |
| 15) Anthracene-d10          | 17.33 | 188  | 589595m  | 19.64  | ng/ul  | 0.00     |
| 19) Pyrene-d10              | 19.63 | 212  | 689316   | 20.22  | ng/ul  | 0.00     |
| 26) Benzo(a)pyrene-d12      | 23.59 | 264  | 700255   | 19.30  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 4) Naphthalene              | 10.69 | 128  | 439458   | 19.68  | ng/ul  | 98       |
| 5) 2-Methylnaphthalene      | 12.30 | 142  | 322935   | 18.12  | ng/ul  | 99       |
| 8) Acenaphthylene           | 14.21 | 152  | 521241   | 23.20  | ng/ul  | 95       |
| 9) Acenaphthene             | 14.55 | 153  | 356256   | 21.87  | ng/ul  | 99       |
| 11) Fluorene                | 15.54 | 166  | 429824   | 19.22  | ng/ul  | 99       |
| 13) Pentachlorophenol       | 16.89 | 266  | 77693    | 16.18  | ng/uL  | 96       |
| 14) Phenanthrene            | 17.28 | 178  | 700563   | 19.69  | ng/ul  | 96       |
| 16) Anthracene              | 17.37 | 178  | 727986   | 19.72  | ng/ul  | 98       |
| 17) Fluoranthene            | 19.29 | 202  | 844182   | 18.72  | ng/ul  | 95       |
| 20) Pyrene                  | 19.66 | 202  | 911687   | 20.78  | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.40 | 228  | 956778   | 19.76  | ng/ul  | 99       |
| 22) Chrysene                | 21.45 | 228  | 882218   | 19.29  | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.03 | 252  | 959359   | 20.42  | ng/ul# | 96       |
| 25) Benzo(k)fluoranthene    | 23.08 | 252  | 928083   | 20.95  | ng/ul# | 96       |
| 27) Benzo(a)pyrene          | 23.63 | 252  | 934085   | 20.67  | ng/ul# | 96       |
| 28) Indeno(1,2,3-cd)pyrene  | 26.10 | 276  | 1027009  | 19.14  | ng/ul  | 98       |
| 29) Dibenzo(a,h)anthracene  | 26.11 | 278  | 870631   | 19.22  | ng/ul# | 91       |
| 30) Benzo(g,h,i)perylene    | 26.83 | 276  | 850026   | 19.04  | ng/ul# | 93       |

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

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