

Data Path : U:\HPCHEM1\BNA M\DATA\BM090315\  
 Data File : BM002645.D  
 Acq On : 03 Sep 2015 11:05  
 Operator : UM/IZ  
 Sample : SSTD0.263  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD0.263

Manual Integrations  
 APPROVED

MMDadoda  
 9/4/2015 2:48:49 PM

Quant Time: Sep 03 12:37:18 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM90315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 03 12:21:17 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.78  | 152  | 7920     | 0.40   | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 11.64 | 136  | 33372    | 0.40   | ng/ul  | 0.00     |
| 8) Acenaphthene-d10         | 15.36 | 164  | 15769    | 0.40   | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 18.08 | 188  | 29752    | 0.40   | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 22.16 | 240  | 22610    | 0.40   | ng/ul  | 0.00     |
| 22) Perylene-d12            | 24.78 | 264  | 21521    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 2) 1,4-Dioxane-d8           | 3.82  | 96   | 3668     | 0.19   | ng/uL  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 13.17 | 152  | 9097     | 0.20   | ng/ul  | 0.00     |
| 16) Fluoranthene-d10        | 20.05 | 212  | 12577    | 0.19   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) 1,4-Dioxane              | 3.87  | 88   | 4248     | 0.18   | ng/ul  | 98       |
| 5) Naphthalene              | 11.69 | 128  | 17039    | 0.20   | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 13.25 | 142  | 11589    | 0.20   | ng/ul  | 95       |
| 9) Acenaphthylene           | 15.09 | 152  | 16156    | 0.19   | ng/ul  | 97       |
| 10) Acenaphthene            | 15.42 | 153  | 11489    | 0.20   | ng/ul  | 99       |
| 11) Fluorene                | 16.39 | 166  | 12291    | 0.19   | ng/ul  | 92       |
| 13) Pentachlorophenol       | 17.74 | 266  | 434      | 0.19   | ng/ul  | 88       |
| 14) Phenanthrene            | 18.11 | 178  | 17073    | 0.19   | ng/ul  | 100      |
| 15) Anthracene              | 18.20 | 178  | 16887    | 0.19   | ng/ul  | 98       |
| 17) Fluoranthene            | 20.07 | 202  | 17205    | 0.18   | ng/ul  | 93       |
| 19) Pyrene                  | 20.42 | 202  | 17525    | 0.20   | ng/ul  | 98       |
| 20) Benzo(a)anthracene      | 22.14 | 228  | 14731    | 0.19   | ng/ul  | 97       |
| 21) Chrysene                | 22.20 | 228  | 14177m   | 0.19   | ng/ul  |          |
| 23) Benzo(b)fluoranthene    | 23.97 | 252  | 14658    | 0.19   | ng/ul  | 84       |
| 24) Benzo(k)fluoranthene    | 24.02 | 252  | 14080    | 0.20   | ng/ul# | 83       |
| 25) Benzo(a)pyrene          | 24.67 | 252  | 13763    | 0.19   | ng/ul# | 82       |
| 26) Indeno(1,2,3-cd)pyrene  | 27.55 | 276  | 16325    | 0.19   | ng/ul  | 99       |
| 27) Dibenzo(a,h)anthracene  | 27.56 | 278  | 13295    | 0.19   | ng/ul  | 93       |
| 28) Benzo(g,h,i)perylene    | 28.41 | 276  | 14062    | 0.19   | ng/ul  | 92       |

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

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