

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM083115\  
 Data File : BM002627.D  
 Acq On : 01 Sep 2015 14:15  
 Operator : UM/IZ  
 Sample : G3456-14  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9E98

Manual Integrations  
 APPROVED

MMDadoda  
 9/2/2015 1:35:34 PM

Quant Time: Sep 01 15:28:57 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081415MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 01 07:11:38 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.78  | 152  | 120538   | 20.00 | ng/ul  | 0.00      |
| 2) Naphthalene-d8           | 11.65 | 136  | 534466   | 20.00 | ng/ul  | 0.00      |
| 6) Acenaphthene-d10         | 15.37 | 164  | 260456   | 20.00 | ng/ul  | 0.00      |
| 12) Phenanthrene-d10        | 18.08 | 188  | 438611   | 20.00 | ng/ul  | 0.00      |
| 17) Chrysene-d12            | 22.16 | 240  | 351044   | 20.00 | ng/ul  | 0.00      |
| 22) Perylene-d12            | 24.79 | 264  | 371033   | 20.00 | ng/ul  | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 7) Acenaphthylene-d8        | 15.07 | 160  | 323763   | 12.16 | ng/ul  | 0.00      |
| 10) Fluorene-d10            | 16.34 | 176  | 196566   | 10.51 | ng/ul  | 0.00      |
| 14) Anthracene-d10          | 18.17 | 188  | 249233   | 11.78 | ng/ul  | 0.00      |
| 18) Pyrene-d10              | 20.40 | 212  | 181488   | 11.66 | ng/ul  | 0.00      |
| 25) Benzo(a)pyrene-d12      | 24.62 | 264  | 169657   | 8.70  | ng/ul  | 0.00      |
| Target Compounds            |       |      |          |       |        |           |
| 8) Acenaphthylene           | 15.10 | 152  | 56889    | 2.04  | ng/ul  | Qvalue 96 |
| 9) Acenaphthene             | 15.43 | 153  | 24905    | 1.36  | ng/ul  | 96        |
| 11) Fluorene                | 16.40 | 166  | 34060    | 1.62  | ng/ul  | 97        |
| 13) Phenanthrene            | 18.12 | 178  | 706231   | 27.88 | ng/ul  | 99        |
| 15) Anthracene              | 18.21 | 178  | 234575   | 9.14  | ng/ul  | 100       |
| 16) Fluoranthene            | 20.07 | 202  | 1421266  | 49.57 | ng/ul  | 97        |
| 19) Pyrene                  | 20.43 | 202  | 1113324  | 54.14 | ng/ul  | 99        |
| 20) Benzo(a)anthracene      | 22.14 | 228  | 641621   | 30.56 | ng/ul  | 99        |
| 21) Chrysene                | 22.20 | 228  | 567192   | 28.89 | ng/ul  | 97        |
| 23) Benzo(b)fluoranthene    | 23.99 | 252  | 814274   | 36.30 | ng/ul  | 97        |
| 24) Benzo(k)fluoranthene    | 24.03 | 252  | 242946m  | 11.43 | ng/ul  |           |
| 26) Benzo(a)pyrene          | 24.68 | 252  | 529972   | 24.74 | ng/ul  | 97        |
| 27) Indeno(1,2,3-cd)pyrene  | 27.57 | 276  | 371093   | 15.06 | ng/ul  | 95        |
| 28) Dibenzo(a,h)anthracene  | 27.56 | 278  | 109567   | 5.32  | ng/ul# | 76        |
| 29) Benzo(g,h,i)perylene    | 28.43 | 276  | 299337   | 14.59 | ng/ul  | 98        |

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

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