

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081415\  
 Data File : BM002412.D  
 Acq On : 15 Aug 2015 07:19  
 Operator : UM/IZ  
 Sample : G3219-21  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9DB2

Manual Integrations  
 APPROVED

MMDadoda  
 8/17/2015 2:44:41 PM

Quant Time: Aug 17 03:03:45 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081415MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 17 02:54:04 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.87  | 152  | 146615   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 11.74 | 136  | 699385   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 15.45 | 164  | 379871   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 18.15 | 188  | 807624   | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 22.23 | 240  | 822274   | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.89 | 264  | 675648   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 7) Acenaphthylene-d8        | 15.15 | 160  | 728009   | 18.74 | ng/ul | 0.00     |
| 10) Fluorene-d10            | 16.42 | 176  | 490797   | 17.99 | ng/ul | 0.00     |
| 14) Anthracene-d10          | 18.24 | 188  | 709698   | 18.22 | ng/ul | 0.00     |
| 18) Pyrene-d10              | 20.46 | 212  | 746052   | 20.47 | ng/ul | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.71 | 264  | 625516   | 17.62 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 13) Phenanthrene           | 18.19 | 178  | 109329   | 2.34 | ng/ul  | 100    |
| 16) Fluoranthene           | 20.13 | 202  | 206803   | 3.92 | ng/ul  | 98     |
| 19) Pyrene                 | 20.49 | 202  | 185319   | 3.85 | ng/ul  | 98     |
| 20) Benzo(a)anthracene     | 22.20 | 228  | 101295   | 2.06 | ng/ul  | 97     |
| 21) Chrysene               | 22.26 | 228  | 124702   | 2.71 | ng/ul  | 96     |
| 23) Benzo(b)fluoranthene   | 24.06 | 252  | 174589   | 4.27 | ng/ul# | 93     |
| 24) Benzo(k)fluoranthene   | 24.10 | 252  | 44385m   | 1.15 | ng/ul  |        |
| 26) Benzo(a)pyrene         | 24.76 | 252  | 94259    | 2.42 | ng/ul# | 94     |
| 27) Indeno(1,2,3-cd)pyrene | 27.68 | 276  | 69434    | 1.55 | ng/ul  | 95     |
| 29) Benzo(g,h,i)perylene   | 28.56 | 276  | 69235    | 1.85 | ng/ul  | 99     |

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

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