

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM081215\  
 Data File : BM002365.D  
 Acq On : 12 Aug 2015 17:42  
 Operator : UM/IZ  
 Sample : G3163-10  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C97

Manual Integrations  
 APPROVED

MMDadoda  
 8/13/2015 10:57:23 AM

Quant Time: Aug 12 18:28:57 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 12 17:25:11 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.90  | 152  | 215110   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 11.78 | 136  | 986300   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 15.49 | 164  | 531769   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 18.20 | 188  | 977106   | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 22.29 | 240  | 677344   | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.99 | 264  | 660447   | 20.00 | ng/ul | 0.02     |

|                             |       |     |        |       |       |      |
|-----------------------------|-------|-----|--------|-------|-------|------|
| System Monitoring Compounds |       |     |        |       |       |      |
| 7) Acenaphthylene-d8        | 15.19 | 160 | 996363 | 18.09 | ng/ul | 0.00 |
| 10) Fluorene-d10            | 16.46 | 176 | 641872 | 16.75 | ng/ul | 0.00 |
| 14) Anthracene-d10          | 18.30 | 188 | 843624 | 17.79 | ng/ul | 0.00 |
| 18) Pyrene-d10              | 20.52 | 212 | 691062 | 21.04 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12      | 24.82 | 264 | 603890 | 17.22 | ng/ul | 0.02 |

|                            |       |     |         |        |        |     |
|----------------------------|-------|-----|---------|--------|--------|-----|
| Target Compounds           |       |     |         | Qvalue |        |     |
| 3) Naphthalene             | 11.83 | 128 | 96600   | 1.86   | ng/ul  | 99  |
| 4) 2-Methylnaphthalene     | 13.37 | 142 | 41742   | 1.13   | ng/ul  | 100 |
| 8) Acenaphthylene          | 15.22 | 152 | 99776   | 1.74   | ng/ul  | 99  |
| 9) Acenaphthene            | 15.55 | 153 | 55428   | 1.44   | ng/ul  | 96  |
| 11) Fluorene               | 16.52 | 166 | 59196   | 1.37   | ng/ul# | 99  |
| 13) Phenanthrene           | 18.24 | 178 | 770760  | 13.71  | ng/ul  | 99  |
| 15) Anthracene             | 18.33 | 178 | 204661  | 3.52   | ng/ul  | 100 |
| 16) Fluoranthene           | 20.19 | 202 | 1040954 | 16.72  | ng/ul  | 100 |
| 19) Pyrene                 | 20.54 | 202 | 854406  | 19.51  | ng/ul  | 98  |
| 20) Benzo(a)anthracene     | 22.27 | 228 | 510908  | 12.36  | ng/ul  | 98  |
| 21) Chrysene               | 22.33 | 228 | 518715  | 13.24  | ng/ul  | 96  |
| 23) Benzo(b)fluoranthene   | 24.16 | 252 | 814797  | 19.85  | ng/ul  | 97  |
| 24) Benzo(k)fluoranthene   | 24.20 | 252 | 250003m | 6.34   | ng/ul  |     |
| 26) Benzo(a)pyrene         | 24.87 | 252 | 483070  | 12.30  | ng/ul  | 96  |
| 27) Indeno(1,2,3-cd)pyrene | 27.84 | 276 | 333960  | 7.42   | ng/ul  | 95  |
| 28) Dibenzo(a,h)anthracene | 27.84 | 278 | 100820  | 2.64   | ng/ul# | 78  |
| 29) Benzo(g,h,i)perylene   | 28.73 | 276 | 284777  | 7.50   | ng/ul  | 95  |

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

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