

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM083115\  
 Data File : BM002625.D  
 Acq On : 01 Sep 2015 13:02  
 Operator : UM/IZ  
 Sample : G3457-20  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9EC4

Manual Integrations  
 APPROVED

MMDadoda  
 9/1/2015 2:57:25 PM

Quant Time: Sep 01 14:20:30 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  | 118162   | 20.00 | ng/ul  | 0.00       |
| 2) Naphthalene-d8           | 11.65 | 136  | 518683   | 20.00 | ng/ul  | 0.00       |
| 6) Acenaphthene-d10         | 15.37 | 164  | 251037   | 20.00 | ng/ul  | 0.00       |
| 12) Phenanthrene-d10        | 18.08 | 188  | 423532   | 20.00 | ng/ul  | 0.00       |
| 17) Chrysene-d12            | 22.16 | 240  | 348813   | 20.00 | ng/ul  | 0.00       |
| 22) Perylene-d12            | 24.79 | 264  | 360149   | 20.00 | ng/ul  | 0.00       |
| System Monitoring Compounds |       |      |          |       |        |            |
| 7) Acenaphthylene-d8        | 15.07 | 160  | 324173   | 12.63 | ng/ul  | 0.00       |
| 10) Fluorene-d10            | 16.34 | 176  | 205175   | 11.38 | ng/ul  | 0.00       |
| 14) Anthracene-d10          | 18.17 | 188  | 257581   | 12.61 | ng/ul  | 0.00       |
| 18) Pyrene-d10              | 20.40 | 212  | 211961   | 13.71 | ng/ul  | 0.00       |
| 25) Benzo(a)pyrene-d12      | 24.62 | 264  | 187550   | 9.91  | ng/ul  | 0.00       |
| Target Compounds            |       |      |          |       |        |            |
| 3) Naphthalene              | 11.69 | 128  | 30350    | 1.15  | ng/ul  | Qvalue 100 |
| 4) 2-Methylnaphthalene      | 13.25 | 142  | 29804    | 1.50  | ng/ul  | 98         |
| 5) 1-Methylnaphthalene      | 13.46 | 142  | 24005    | 1.22  | ng/ul  | 98         |
| 13) Phenanthrene            | 18.12 | 178  | 209457   | 8.56  | ng/ul  | 99         |
| 15) Anthracene              | 18.21 | 178  | 32178    | 1.30  | ng/ul  | 97         |
| 16) Fluoranthene            | 20.07 | 202  | 282807   | 10.21 | ng/ul  | 99         |
| 19) Pyrene                  | 20.43 | 202  | 218272   | 10.68 | ng/ul  | 98         |
| 20) Benzo(a)anthracene      | 22.14 | 228  | 103661   | 4.97  | ng/ul  | 98         |
| 21) Chrysene                | 22.20 | 228  | 118824m  | 6.09  | ng/ul  |            |
| 23) Benzo(b)fluoranthene    | 23.98 | 252  | 165486   | 7.60  | ng/ul# | 94         |
| 24) Benzo(k)fluoranthene    | 24.03 | 252  | 52844m   | 2.56  | ng/ul  |            |
| 26) Benzo(a)pyrene          | 24.67 | 252  | 97192    | 4.67  | ng/ul# | 91         |
| 27) Indeno(1,2,3-cd)pyrene  | 27.56 | 276  | 73257    | 3.06  | ng/ul  | 98         |
| 28) Dibenzo(a,h)anthracene  | 27.56 | 278  | 21698    | 1.09  | ng/ul# | 68         |
| 29) Benzo(g,h,i)perylene    | 28.43 | 276  | 70772    | 3.55  | ng/ul# | 92         |

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

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM083115\  
Data File : BM002625.D  
Acq On : 01 Sep 2015 13:02  
Operator : UM/IZ  
Sample : G3457-20  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9EC4

Manual Integrations  
APPROVED

MMDadoda  
9/1/2015 2:57:25 PM

Quant Time: Sep 01 14:20:30 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

