

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM082915\  
 Data File : BM002582.D  
 Acq On : 30 Aug 2015 01:47  
 Operator : UM/IZ  
 Sample : G3455-20  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9E83

Manual Integrations  
 APPROVED

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 8/31/2015 1:52:19 PM

Quant Time: Aug 31 01:55:15 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081415MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 31 01:34:36 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.78  | 152  | 159975   | 20.00 | ng/ul  | 0.00      |
| 2) Naphthalene-d8           | 11.65 | 136  | 633778   | 20.00 | ng/ul  | 0.00      |
| 6) Acenaphthene-d10         | 15.37 | 164  | 287142   | 20.00 | ng/ul  | 0.00      |
| 12) Phenanthrene-d10        | 18.08 | 188  | 549562   | 20.00 | ng/ul  | 0.00      |
| 17) Chrysene-d12            | 22.16 | 240  | 577044   | 20.00 | ng/ul  | 0.00      |
| 22) Perylene-d12            | 24.80 | 264  | 606004   | 20.00 | ng/ul  | 0.02      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 7) Acenaphthylene-d8        | 15.07 | 160  | 439121   | 14.96 | ng/ul  | 0.00      |
| 10) Fluorene-d10            | 16.34 | 176  | 262257   | 12.72 | ng/ul  | 0.00      |
| 14) Anthracene-d10          | 18.18 | 188  | 344670   | 13.00 | ng/ul  | 0.00      |
| 18) Pyrene-d10              | 20.40 | 212  | 275254   | 10.76 | ng/ul  | 0.00      |
| 25) Benzo(a)pyrene-d12      | 24.63 | 264  | 220973   | 6.94  | ng/ul  | 0.02      |
| Target Compounds            |       |      |          |       |        |           |
| 8) Acenaphthylene           | 15.10 | 152  | 122146   | 3.98  | ng/ul  | Qvalue 99 |
| 11) Fluorene                | 16.40 | 166  | 23211    | 1.00  | ng/ul  | 96        |
| 13) Phenanthrene            | 18.12 | 178  | 492178   | 15.51 | ng/ul  | 99        |
| 15) Anthracene              | 18.22 | 178  | 144740   | 4.50  | ng/ul  | 100       |
| 16) Fluoranthene            | 20.07 | 202  | 1131938  | 31.51 | ng/ul  | 96        |
| 19) Pyrene                  | 20.43 | 202  | 980366   | 29.00 | ng/ul  | 98        |
| 20) Benzo(a)anthracene      | 22.14 | 228  | 584496   | 16.94 | ng/ul  | 98        |
| 21) Chrysene                | 22.20 | 228  | 550936   | 17.07 | ng/ul  | 96        |
| 23) Benzo(b)fluoranthene    | 23.99 | 252  | 841817   | 22.98 | ng/ul  | 96        |
| 24) Benzo(k)fluoranthene    | 24.03 | 252  | 254488m  | 7.33  | ng/ul  |           |
| 26) Benzo(a)pyrene          | 24.68 | 252  | 558703   | 15.97 | ng/ul  | 96        |
| 27) Indeno(1,2,3-cd)pyrene  | 27.57 | 276  | 425497   | 10.57 | ng/ul  | 97        |
| 28) Dibenzo(a,h)anthracene  | 27.56 | 278  | 112847   | 3.35  | ng/ul# | 78        |
| 29) Benzo(g,h,i)perylene    | 28.44 | 276  | 397253   | 11.86 | ng/ul  | 96        |

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

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