

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052617\  
 Data File : BG027140.D  
 Acq On : 24 May 2017 22:47  
 Operator : SJ/MA  
 Sample : I3277-19  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DACA5

Manual Integrations  
 APPROVED

mohammad  
 5/26/2017 11:55:08 AM

Quant Time: May 25 05:18:09 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG051817MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 25 04:52:31 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.01  | 152  | 175567   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.80 | 136  | 844107   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.62 | 164  | 428330   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.35 | 188  | 768627   | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 21.60 | 240  | 685918   | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.77 | 264  | 611338   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 7) Acenaphthylene-d8        | 14.32 | 160  | 840102   | 19.12 | ng/ul | 0.00     |
| 10) Fluorene-d10            | 15.61 | 176  | 544220   | 18.57 | ng/ul | 0.00     |
| 14) Anthracene-d10          | 17.45 | 188  | 735442m  | 19.62 | ng/ul | 0.00     |
| 18) Pyrene-d10              | 19.73 | 212  | 724692   | 20.23 | ng/ul | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.56 | 264  | 605401   | 19.93 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 13) Phenanthrene           | 17.40 | 178  | 74533    | 1.73 | ng/ul  | 99     |
| 16) Fluoranthene           | 19.40 | 202  | 152049   | 3.46 | ng/ul# | 92     |
| 19) Pyrene                 | 19.76 | 202  | 132275   | 2.95 | ng/ul# | 90     |
| 20) Benzo(a)anthracene     | 21.58 | 228  | 76498    | 1.85 | ng/ul  | 94     |
| 21) Chrysene               | 21.65 | 228  | 79911    | 2.11 | ng/ul  | 94     |
| 23) Benzo(b)fluoranthene   | 23.77 | 252  | 95991    | 2.64 | ng/ul# | 86     |
| 24) Benzo(k)fluoranthene   | 23.81 | 252  | 51365m   | 1.37 | ng/ul  |        |
| 26) Benzo(a)pyrene         | 24.63 | 252  | 63887    | 1.80 | ng/ul# | 86     |
| 27) Indeno(1,2,3-cd)pyrene | 28.38 | 276  | 34502m   | 1.06 | ng/ul  |        |

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

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