

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052617\  
 Data File : BG027136.D  
 Acq On : 24 May 2017 20:10  
 Operator : SJ/MA  
 Sample : I3277-07  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DAC83

Manual Integrations  
 APPROVED

mohammad  
 5/26/2017 11:55:00 AM

Quant Time: May 25 05:07:55 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 | 8.00  | 152  | 178783   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.80 | 136  | 868429   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.61 | 164  | 446452   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.35 | 188  | 804204   | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 21.60 | 240  | 728830   | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.77 | 264  | 652863   | 20.00 | ng/ul | 0.00     |

|                             |       |     |         |       |       |      |
|-----------------------------|-------|-----|---------|-------|-------|------|
| System Monitoring Compounds |       |     |         |       |       |      |
| 7) Acenaphthylene-d8        | 14.31 | 160 | 1053884 | 23.01 | ng/ul | 0.00 |
| 10) Fluorene-d10            | 15.60 | 176 | 673020  | 22.03 | ng/ul | 0.00 |
| 14) Anthracene-d10          | 17.45 | 188 | 895669  | 22.84 | ng/ul | 0.00 |
| 18) Pyrene-d10              | 19.73 | 212 | 882142  | 23.18 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12      | 24.56 | 264 | 744396  | 22.95 | ng/ul | 0.00 |

|                            |       |     |         |      |        |        |
|----------------------------|-------|-----|---------|------|--------|--------|
| Target Compounds           |       |     |         |      |        | Qvalue |
| 3) Naphthalene             | 10.85 | 128 | 106863  | 2.37 | ng/ul# | 96     |
| 4) 2-Methylnaphthalene     | 12.45 | 142 | 74186   | 2.22 | ng/ul  | 99     |
| 5) 1-Methylnaphthalene     | 12.67 | 142 | 62675   | 1.74 | ng/ul# | 92     |
| 13) Phenanthrene           | 17.39 | 178 | 197594  | 4.40 | ng/ul  | 98     |
| 16) Fluoranthene           | 19.40 | 202 | 367413  | 7.99 | ng/ul# | 92     |
| 19) Pyrene                 | 19.76 | 202 | 361819  | 7.60 | ng/ul# | 87     |
| 20) Benzo(a)anthracene     | 21.58 | 228 | 193042  | 4.40 | ng/ul  | 96     |
| 21) Chrysene               | 21.65 | 228 | 218338  | 5.42 | ng/ul  | 98     |
| 23) Benzo(b)fluoranthene   | 23.77 | 252 | 325690  | 8.39 | ng/ul# | 93     |
| 24) Benzo(k)fluoranthene   | 23.82 | 252 | 122419m | 3.07 | ng/ul  |        |
| 26) Benzo(a)pyrene         | 24.63 | 252 | 178881  | 4.71 | ng/ul# | 93     |
| 27) Indeno(1,2,3-cd)pyrene | 28.38 | 276 | 87188   | 2.50 | ng/ul# | 87     |
| 29) Benzo(g,h,i)perylene   | 29.50 | 276 | 66748m  | 2.40 | ng/ul  |        |

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

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