

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051817\  
 Data File : BG027040.D  
 Acq On : 19 May 2017 15:02  
 Operator : SJ/MA  
 Sample : I3136-16  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DAC26

Manual Integrations  
 APPROVED

mohammad  
 5/22/2017 11:05:29 AM

Quant Time: May 19 16:15:05 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG051817MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 19 04:25:04 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.01  | 152  | 203665   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.81 | 136  | 929936   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.62 | 164  | 468383   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.36 | 188  | 840669   | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 21.61 | 240  | 749299   | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.79 | 264  | 689491   | 20.00 | ng/ul | 0.03     |

|                             |       |     |         |       |       |      |
|-----------------------------|-------|-----|---------|-------|-------|------|
| System Monitoring Compounds |       |     |         |       |       |      |
| 7) Acenaphthylene-d8        | 14.32 | 160 | 797798  | 16.61 | ng/ul | 0.00 |
| 10) Fluorene-d10            | 15.61 | 176 | 499561  | 15.59 | ng/ul | 0.00 |
| 14) Anthracene-d10          | 17.45 | 188 | 692217m | 16.89 | ng/ul | 0.00 |
| 18) Pyrene-d10              | 19.74 | 212 | 660287  | 16.88 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12      | 24.57 | 264 | 564906  | 16.49 | ng/ul | 0.03 |

|                            |       |     |         |        |        |    |
|----------------------------|-------|-----|---------|--------|--------|----|
| Target Compounds           |       |     |         | Qvalue |        |    |
| 3) Naphthalene             | 10.86 | 128 | 212768  | 4.41   | ng/ul  | 99 |
| 4) 2-Methylnaphthalene     | 12.46 | 142 | 56136   | 1.57   | ng/ul  | 99 |
| 5) 1-Methylnaphthalene     | 12.68 | 142 | 55043   | 1.43   | ng/ul  | 95 |
| 9) Acenaphthene            | 14.68 | 153 | 71915   | 2.18   | ng/ul  | 98 |
| 11) Fluorene               | 15.66 | 166 | 127664  | 3.62   | ng/ul  | 94 |
| 13) Phenanthrene           | 17.40 | 178 | 1321904 | 28.13  | ng/ul  | 96 |
| 15) Anthracene             | 17.49 | 178 | 207405  | 4.30   | ng/ul  | 98 |
| 16) Fluoranthene           | 19.41 | 202 | 1837536 | 38.25  | ng/ul# | 89 |
| 19) Pyrene                 | 19.77 | 202 | 1468389 | 29.98  | ng/ul# | 85 |
| 20) Benzo(a)anthracene     | 21.59 | 228 | 834691  | 18.49  | ng/ul  | 96 |
| 21) Chrysene               | 21.66 | 228 | 881264  | 21.26  | ng/ul  | 95 |
| 23) Benzo(b)fluoranthene   | 23.78 | 252 | 1121303 | 27.36  | ng/ul# | 91 |
| 24) Benzo(k)fluoranthene   | 23.84 | 252 | 535480m | 12.70  | ng/ul  |    |
| 26) Benzo(a)pyrene         | 24.64 | 252 | 646599  | 16.13  | ng/ul# | 89 |
| 27) Indeno(1,2,3-cd)pyrene | 28.40 | 276 | 393391  | 10.67  | ng/ul# | 83 |
| 28) Dibenzo(a,h)anthracene | 28.42 | 278 | 96095m  | 3.02   | ng/ul  |    |
| 29) Benzo(g,h,i)perylene   | 29.55 | 276 | 293567m | 10.01  | ng/ul  |    |

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

