

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052717\  
 Data File : BG027167.D  
 Acq On : 27 May 2017 12:53  
 Operator : SJ/MA  
 Sample : SSTD00566  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD00566

Manual Integrations  
 APPROVED

mohammad  
 5/31/2017 12:59:32 PM

Quant Time: May 27 15:52:23 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG052717-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat May 27 15:43:20 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.96  | 152  | 53198    | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.76 | 136  | 266288   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.58 | 164  | 165137   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.32 | 188  | 406733   | 20.00  | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 21.56 | 240  | 434045   | 20.00  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.69 | 264  | 447995   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 3) 2,4-Dichlorophenol-d3    | 10.41 | 165  | 17206    | 4.36   | ng/uL  | 0.01     |
| 7) Acenaphthylene-d8        | 14.28 | 160  | 82035    | 5.83   | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.57 | 176  | 60826    | 5.92   | ng/ul  | 0.00     |
| 15) Anthracene-d10          | 17.41 | 188  | 99165    | 5.49   | ng/ul  | 0.00     |
| 19) Pyrene-d10              | 19.70 | 212  | 109165   | 4.93   | ng/ul  | 0.00     |
| 26) Benzo(a)pyrene-d12      | 24.48 | 264  | 93380    | 4.83   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 4) Naphthalene              | 10.81 | 128  | 68089    | 5.23   | ng/ul# | 96       |
| 5) 2-Methylnaphthalene      | 12.41 | 142  | 50809    | 5.26   | ng/ul  | 97       |
| 8) Acenaphthylene           | 14.30 | 152  | 83436    | 5.80   | ng/ul  | 96       |
| 9) Acenaphthene             | 14.65 | 153  | 56974    | 5.60   | ng/ul  | 95       |
| 11) Fluorene                | 15.62 | 166  | 68073    | 5.93   | ng/ul  | 95       |
| 14) Phenanthrene            | 17.36 | 178  | 115942   | 5.38   | ng/ul  | 99       |
| 16) Anthracene              | 17.45 | 178  | 120581   | 5.54   | ng/ul  | 97       |
| 20) Pyrene                  | 19.73 | 202  | 143395   | 5.19   | ng/ul# | 92       |
| 21) Benzo(a)anthracene      | 21.54 | 228  | 127937   | 5.30   | ng/ul  | 98       |
| 22) Chrysene                | 21.61 | 228  | 119297   | 5.29   | ng/ul  | 95       |
| 24) Benzo(b)fluoranthene    | 23.70 | 252  | 119371   | 4.69   | ng/ul  | 96       |
| 25) Benzo(k)fluoranthene    | 23.76 | 252  | 121041m  | 4.98   | ng/ul  |          |
| 27) Benzo(a)pyrene          | 24.55 | 252  | 115372   | 4.88   | ng/ul# | 93       |
| 28) Indeno(1,2,3-cd)pyrene  | 28.28 | 276  | 136032   | 5.21   | ng/ul  | 96       |
| 29) Dibenzo(a,h)anthracene  | 28.32 | 278  | 113394   | 5.48   | ng/ul  | 94       |
| 30) Benzo(g,h,i)perylene    | 29.39 | 276  | 109994   | 4.92   | ng/ul  | 95       |

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

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