

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG031317\  
 Data File : BG026230.D  
 Acq On : 14 Mar 2017 3:02  
 Operator : SJ/MA  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SSTD02025

Manual Integrations  
 APPROVED

mohammad  
 3/16/2017 10:53:51 AM

Quant Time: Mar 15 18:01:55 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG030317-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 15 17:21:10 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.06  | 152  | 88323    | 20.00  | ng/ul  | -0.01    |
| 2) Naphthalene-d8           | 10.86 | 136  | 446809   | 20.00  | ng/ul  | -0.01    |
| 6) Acenaphthene-d10         | 14.67 | 164  | 267856   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.40 | 188  | 602672   | 20.00  | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 21.65 | 240  | 635517   | 20.00  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.83 | 264  | 604814   | 20.00  | ng/ul  | -0.02    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 3) 2,4-Dichlorophenol-d3    | 10.48 | 165  | 118660   | 17.93  | ng/uL  | 0.00     |
| 7) Acenaphthylene-d8        | 14.36 | 160  | 527644   | 23.10  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.65 | 176  | 379103   | 22.76  | ng/ul  | 0.00     |
| 15) Anthracene-d10          | 17.49 | 188  | 549222   | 20.51  | ng/ul  | -0.01    |
| 19) Pyrene-d10              | 19.77 | 212  | 585394   | 18.05  | ng/ul  | 0.00     |
| 26) Benzo(a)pyrene-d12      | 24.61 | 264  | 555035   | 21.28  | ng/ul  | -0.01    |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 4) Naphthalene              | 10.91 | 128  | 439806   | 20.12  | ng/ul  | 99       |
| 5) 2-Methylnaphthalene      | 12.50 | 142  | 346470   | 21.37  | ng/ul  | 98       |
| 8) Acenaphthylene           | 14.39 | 152  | 538642   | 23.09  | ng/ul  | 99       |
| 9) Acenaphthene             | 14.73 | 153  | 388518   | 23.56  | ng/ul  | 98       |
| 11) Fluorene                | 15.70 | 166  | 438829   | 23.58  | ng/ul  | 99       |
| 13) Pentachlorophenol       | 17.04 | 266  | 55923    | 14.47  | ng/uL  | 94       |
| 14) Phenanthrene            | 17.44 | 178  | 672144   | 21.05  | ng/ul  | 100      |
| 16) Anthracene              | 17.53 | 178  | 666766   | 20.67  | ng/ul  | 98       |
| 17) Fluoranthene            | 19.44 | 202  | 733588   | 22.12  | ng/ul  | 99       |
| 20) Pyrene                  | 19.80 | 202  | 745786   | 18.43  | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.62 | 228  | 729819   | 20.63  | ng/ul  | 99       |
| 22) Chrysene                | 21.69 | 228  | 687641   | 20.84  | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.82 | 252  | 724483   | 21.10  | ng/ul  | 99       |
| 25) Benzo(k)fluoranthene    | 23.88 | 252  | 711668m  | 21.70  | ng/ul  |          |
| 27) Benzo(a)pyrene          | 24.68 | 252  | 699571   | 21.92  | ng/ul# | 95       |
| 28) Indeno(1,2,3-cd)pyrene  | 28.47 | 276  | 822464   | 23.34  | ng/ul  | 96       |
| 29) Dibenzo(a,h)anthracene  | 28.52 | 278  | 656082   | 23.48  | ng/ul  | 95       |
| 30) Benzo(g,h,i)perylene    | 29.59 | 276  | 674763   | 22.38  | ng/ul  | 96       |

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

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