

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\  
 Data File : BG046245.D  
 Acq On : 13 Aug 2020 11:54  
 Operator : CG/JU  
 Sample : SSTD08030  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD08030

Quant Time: Aug 13 13:39:19 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG081320PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 13 13:37:44 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.95  | 152  | 90388    | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.75 | 136  | 358672   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.58 | 164  | 237774   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.32 | 188  | 534178   | 20.00  | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 21.57 | 240  | 528132   | 20.00  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.67 | 264  | 558995   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 3) 2,4-Dichlorophenol-d3    | 10.37 | 165  | 533469   | 91.06  | ng/ul  | 0.00     |
| 7) Acenaphthylene-d8        | 14.27 | 160  | 1678825  | 76.29  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.57 | 176  | 1281448  | 75.93  | ng/ul  | 0.00     |
| 15) Anthracene-d10          | 17.32 | 188  | 534178   | 21.68  | ng/ul  | -0.09    |
| 19) Pyrene-d10              | 19.70 | 212  | 2070051  | 74.11  | ng/ul  | 0.00     |
| 26) Benzo(a)pyrene-d12      | 24.47 | 264  | 2493776  | 80.49  | ng/ul  | 0.02     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 4) Naphthalene              | 10.80 | 128  | 1461470  | 76.137 | ng/ul  | 96       |
| 5) 2-Methylnaphthalene      | 12.40 | 142  | 1106425  | 76.669 | ng/ul  | 100      |
| 8) Acenaphthylene           | 14.30 | 152  | 1649489  | 73.251 | ng/ul# | 93       |
| 9) Acenaphthene             | 14.64 | 153  | 1222368  | 75.393 | ng/ul  | 94       |
| 11) Fluorene                | 15.63 | 166  | 1347007  | 71.842 | ng/ul  | 97       |
| 13) Pentachlorophenol       | 16.97 | 266  | 399210   | 99.955 | ng/ul  | 98       |
| 14) Phenanthrene            | 17.36 | 178  | 2141662  | 71.838 | ng/ul# | 91       |
| 16) Anthracene              | 17.46 | 178  | 2110780  | 71.059 | ng/ul# | 89       |
| 17) Fluoranthene            | 19.37 | 202  | 2534222  | 77.496 | ng/ul# | 94       |
| 20) Pyrene                  | 19.74 | 202  | 2430896  | 68.071 | ng/ul# | 94       |
| 21) Benzo(a)anthracene      | 21.55 | 228  | 2525031  | 72.598 | ng/ul# | 89       |
| 22) Chrysene                | 21.62 | 228  | 2445592  | 72.331 | ng/ul# | 88       |
| 24) Benzo(b)fluoranthene    | 23.70 | 252  | 2945532  | 77.996 | ng/ul# | 92       |
| 25) Benzo(k)fluoranthene    | 23.70 | 252  | 2945532  | 79.438 | ng/ul  | 93       |
| 27) Benzo(a)pyrene          | 24.54 | 252  | 2676510  | 77.284 | ng/ul  | 95       |
| 28) Indeno(1,2,3-cd)pyrene  | 28.20 | 276  | 3586106  | 82.917 | ng/ul  | 99       |
| 29) Dibenzo(a,h)anthracene  | 28.27 | 278  | 2868499  | 81.072 | ng/ul  | 96       |
| 30) Benzo(g,h,i)perylene    | 29.31 | 276  | 2982934  | 81.600 | ng/ul  | 97       |

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

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