

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM051916\  
 Data File : BM005511.D  
 Acq On : 19 May 2016 23:07  
 Operator : UM/SJ  
 Sample : H2890-07  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9WT3

Manual Integrations  
 APPROVED

sohil  
 5/20/2016 7:18:14 PM

Quant Time: May 20 08:02:39 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM051816.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 20 07:06:51 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 0.00  | 152  | 0        | 0.00     | ng/ul  | -7.84    |
| 18) Naphthalene-d8             | 0.00  | 136  | 0        | 0.00     | ng/ul  | -10.63   |
| 35) Acenaphthene-d10           | 14.46 | 164  | 334      | 20.00    | ng/ul  | -0.01    |
| 61) Phenanthrene-d10           | 17.30 | 188  | 696525   | 20.00    | ng/ul  | 0.09     |
| 75) Chrysene-d12               | 21.50 | 240  | 927      | 20.00    | ng/ul  | 0.12     |
| 83) Perylene-d12               | 23.78 | 264  | 3631     | 20.00    | ng/ul  | 0.11     |
| System Monitoring Compounds    |       |      |          |          |        |          |
| 3) 1,4-Dioxane-d8              | 3.31  | 96   | 4082     | 0.00     | ng/uL  | 0.00     |
| 5) Phenol-d5                   | 6.99  | 99   | 131196   | 0.00     | ng/ul  | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.17  | 67   | 64776    | 0.00     | ng/ul  | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.36  | 132  | 96855    | 0.00     | ng/ul  | 0.00     |
| 13) 4-Methylphenol-d8          | 8.53  | 113  | 106656   | 0.00     | ng/ul  | 0.00     |
| 19) Nitrobenzene-d5            | 8.99  | 128  | 47839    | 0.00     | ng/ul  | 0.00     |
| 22) 2-Nitrophenol-d4           | 9.70  | 143  | 54559    | 0.00     | ng/ul  | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.24 | 165  | 114645   | 0.00     | ng/ul  | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.76 | 131  | 130149   | 0.00     | ng/ul  | 0.00     |
| 43) Dimethylphthalate-d6       | 13.87 | 166  | 400740   | 14595.14 | ng/ul  | 0.00     |
| 46) Acenaphthylene-d8          | 14.16 | 160  | 499893   | 15421.14 | ng/ul  | 0.00     |
| 51) 4-Nitrophenol-d4           | 14.64 | 143  | 91745    | 16285.79 | ng/ul  | 0.00     |
| 57) Fluorene-d10               | 15.46 | 176  | 384392   | 15865.41 | ng/ul  | 0.00     |
| 62) 4,6-Dinitro-2-methylphenol | 15.57 | 200  | 62841    | 17.12    | ng/ul  | 0.00     |
| 70) Anthracene-d10             | 17.30 | 188  | 696525   | 21.74    | ng/ul  | 0.00     |
| 76) Pyrene-d10                 | 19.59 | 212  | 983865   | 26395.90 | ng/ul  | 0.00     |
| 87) Benzo(a)pyrene-d12         | 23.51 | 264  | 1535162  | 9456.94  | ng/ul  | 0.00     |
| Target Compounds               |       |      |          |          |        |          |
| 40) 1,1'-Biphenyl              | 13.30 | 154  | 2784     | 103.99   | ng/ul# | 90       |
| 42) 2-Nitroaniline             | 13.37 | 65   | 261      | 40.20    | ng/ul# | 4        |
| 44) Dimethylphthalate          | 13.92 | 163  | 136420   | 4873.14  | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 13.92 | 165  | 1453     | 269.59   | ng/ul# | 41       |
| 47) Acenaphthylene             | 14.19 | 152  | 54928    | 1636.02  | ng/ul  | 97       |
| 49) Acenaphthene               | 14.53 | 153  | 33209    | 1448.13  | ng/ul  | 88       |
| 52) 4-Nitrophenol              | 14.67 | 109  | 134      | 26.58    | ng/ul  | 93       |
| 53) Dibenzofuran               | 14.86 | 168  | 28897    | 863.88   | ng/ul  | 93       |
| 56) Diethylphthalate           | 15.29 | 149  | 954      | 32.21    | ng/ul# | 59       |
| 58) Fluorene                   | 15.51 | 166  | 29087    | 1051.37  | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.56 | 138  | 239      | 35.49    | ng/ul# | 1        |
| 69) Phenanthrene               | 17.33 | 178  | 237918   | 6.00     | ng/ul  | 98       |
| 71) Anthracene                 | 17.33 | 178  | 236161   | 6.03     | ng/ul  | 98       |
| 72) Carbazole                  | 17.60 | 167  | 219135   | 6.17     | ng/ul  | 98       |
| 74) Fluoranthene               | 19.26 | 202  | 3136084  | 67.67    | ng/ul  | 95       |
| 77) Pyrene                     | 19.62 | 202  | 2608053  | 52510.03 | ng/ul  | 95       |
| 78) Butylbenzylphthalate       | 20.64 | 149  | 313      | 14.84    | ng/ul# | 31       |
| 79) 3,3'-Dichlorobenzidine     | 21.42 | 252  | 10299    | 580.29   | ng/ul# | 1        |
| 80) Benzo(a)anthracene         | 21.42 | 228  | 2264020  | 41569.14 | ng/ul  | 94       |
| 81) Bis(2-ethylhexyl)phthalate | 21.42 | 149  | 7427     | 235.43   | ng/ul# | 69       |
| 82) Chrysene                   | 21.42 | 228  | 2264020  | 43945.94 | ng/ul  | 97       |
| 85) Benzo(b)fluoranthene       | 22.98 | 252  | 3747738  | 18035.27 | ng/ul  | 97       |
| 86) Benzo(k)fluoranthene       | 22.98 | 252  | 3496222  | 17317.93 | ng/ul  | 97       |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM051916\  
Data File : BM005511.D  
Acq On : 19 May 2016 23:07  
Operator : UM/SJ  
Sample : H2890-07  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9WT3

Manual Integrations  
APPROVED

sohil  
5/20/2016 7:18:14 PM

Quant Time: May 20 08:02:39 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM051816.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri May 20 07:06:51 2016  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|----------------------------|-------|------|----------|---------|--------|----------|
| 88) Benzo(a)pyrene         | 23.71 | 252  | 616447   | 2985.69 | ng/ul  | 93       |
| 89) Indeno(1,2,3-cd)pyrene | 26.09 | 276  | 46802    | 172.13  | ng/ul# | 41       |
| 90) Dibenzo(a,h)anthracene | 26.24 | 278  | 382982   | 1695.70 | ng/ul  | 93       |
| 91) Benzo(g,h,i)perylene   | 26.69 | 276  | 1596631  | 6775.80 | ng/ul# | 94       |

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

