

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM073116\  
 Data File : BM006781.D  
 Acq On : 31 Jul 2016 10:04  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02062

Manual Integrations  
 APPROVED

sohil  
 8/1/2016 7:05:48 PM

Quant Time: Aug 01 06:52:24 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 30 01:37:26 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 141620   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.38 | 136  | 596740   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.26 | 164  | 344180   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.01 | 188  | 800856m  | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.21 | 240  | 925319   | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.41 | 264  | 956397   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 2) 1,4-Dioxane-d8              | 3.13  | 96  | 27162  | 7.76  | ng/uL | 0.00  |
| 3) Phenol-d5                   | 6.79  | 99  | 248901 | 20.66 | ng/ul | 0.00  |
| 4) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 153321 | 20.54 | ng/ul | 0.00  |
| 5) 2-Chlorophenol-d4           | 7.14  | 132 | 195154 | 20.27 | ng/ul | 0.00  |
| 6) 4-Methylphenol-d8           | 8.32  | 113 | 190759 | 20.41 | ng/ul | 0.00  |
| 8) Nitrobenzene-d5             | 8.76  | 128 | 92133  | 20.40 | ng/ul | 0.00  |
| 9) 2-Nitrophenol-d4            | 9.47  | 143 | 99805  | 20.78 | ng/ul | 0.00  |
| 10) 2,4-Dichlorophenol-d3      | 10.01 | 165 | 187711 | 20.68 | ng/ul | 0.00  |
| 12) 4-Chloroaniline-d4         | 10.53 | 131 | 228993 | 22.91 | ng/ul | 0.00  |
| 16) Dimethylphthalate-d6       | 13.67 | 166 | 535576 | 19.85 | ng/ul | 0.00  |
| 17) Acenaphthylene-d8          | 13.94 | 160 | 696517 | 20.22 | ng/ul | 0.00  |
| 20) 4-Nitrophenol-d4           | 14.49 | 143 | 92913  | 19.82 | ng/ul | 0.00  |
| 21) Fluorene-d10               | 15.25 | 176 | 482914 | 20.01 | ng/ul | 0.00  |
| 24) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 85899  | 20.66 | ng/ul | 0.00  |
| 26) Anthracene-d10             | 17.10 | 188 | 765254 | 20.12 | ng/ul | 0.00  |
| 30) Pyrene-d10                 | 19.41 | 212 | 858636 | 20.36 | ng/ul | 0.00  |
| 37) Benzo(a)pyrene-d12         | 23.27 | 264 | 897275 | 20.40 | ng/ul | -0.01 |

## Target Compounds

|                            |       |     |         |       |        | Qvalue |
|----------------------------|-------|-----|---------|-------|--------|--------|
| 11) Naphthalene            | 10.43 | 128 | 607825  | 19.75 | ng/ul  | 99     |
| 13) 2-Methylnaphthalene    | 12.05 | 142 | 449247  | 19.90 | ng/ul  | 97     |
| 14) 1-Methylnaphthalene    | 12.27 | 142 | 425868  | 19.77 | ng/ul# | 95     |
| 18) Acenaphthylene         | 13.97 | 152 | 729840  | 19.78 | ng/ul  | 97     |
| 19) Acenaphthene           | 14.32 | 153 | 462870  | 19.52 | ng/ul  | 96     |
| 22) Fluorene               | 15.31 | 166 | 536411  | 20.08 | ng/ul  | 97     |
| 25) Phenanthrene           | 17.05 | 178 | 876522m | 19.46 | ng/ul  |        |
| 27) Anthracene             | 17.14 | 178 | 916921  | 19.77 | ng/ul  | 98     |
| 28) Fluoranthene           | 19.07 | 202 | 1060949 | 20.05 | ng/ul  | 99     |
| 31) Pyrene                 | 19.44 | 202 | 1123116 | 20.05 | ng/ul  | 97     |
| 32) Benzo(a)anthracene     | 21.19 | 228 | 1121453 | 20.00 | ng/ul  | 98     |
| 33) Chrysene               | 21.24 | 228 | 1024241 | 19.81 | ng/ul  | 99     |
| 35) Benzo(b)fluoranthene   | 22.75 | 252 | 1186996 | 20.70 | ng/ul  | 98     |
| 36) Benzo(k)fluoranthene   | 22.80 | 252 | 1103935 | 19.91 | ng/ul  | 98     |
| 38) Benzo(a)pyrene         | 23.31 | 252 | 1127491 | 20.21 | ng/ul  | 99     |
| 39) Indeno(1,2,3-cd)pyrene | 25.61 | 276 | 1304870 | 20.19 | ng/ul  | 95     |
| 40) Dibenzo(a,h)anthracene | 25.61 | 278 | 1093597 | 20.42 | ng/ul  | 98     |
| 41) Benzo(g,h,i)perylene   | 26.29 | 276 | 1105941 | 19.97 | ng/ul  | 96     |

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

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