

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110515\  
 Data File : BM003060.D  
 Acq On : 05 Nov 2015 12:34  
 Operator : UM/IZ  
 Sample : SSTDCCC001  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC001

Quant Time: Nov 16 18:54:24 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM110415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 16 18:52:15 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 102459   | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.54 | 136  | 399587   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.39 | 164  | 195613   | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.14 | 188  | 433965   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.33 | 240  | 352640   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12          | 23.60 | 264  | 298055   | 5.00 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.35  | 112 | 20363 | 0.94 | ng | 0.00 |
| 5) Phenol-d6                | 6.92  | 99  | 23873 | 0.94 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.91  | 82  | 17709 | 0.96 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.88 | 330 | 4760  | 0.94 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.03 | 172 | 59054 | 0.96 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.77 | 244 | 46675 | 0.92 | ng | 0.00 |

|                                |       |     |        |        |    |       |
|--------------------------------|-------|-----|--------|--------|----|-------|
| Target Compounds               |       |     |        | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.26  | 88  | 9311   | 0.98   | ng | 98    |
| 3) n-Nitrosodimethylamine      | 3.57  | 42  | 9024   | 0.94   | ng | 97    |
| 6) bis(2-Chloroethyl)ether     | 7.17  | 93  | 23128  | 0.95   | ng | 100   |
| 9) Nitrobenzene                | 8.95  | 77  | 19206  | 0.96   | ng | 100   |
| 10) Naphthalene                | 10.60 | 128 | 83431  | 0.97   | ng | 98    |
| 11) Hexachlorobutadiene        | 10.89 | 225 | 13181  | 0.99   | ng | 99    |
| 12) 2-Methylnaphthalene        | 12.22 | 142 | 53625  | 0.97   | ng | 93    |
| 16) Acenaphthylene             | 14.11 | 152 | 71151  | 0.93   | ng | 99    |
| 17) Acenaphthene               | 14.46 | 154 | 50240  | 0.96   | ng | # 100 |
| 18) Fluorene                   | 15.46 | 166 | 52445  | 0.94   | ng | # 11  |
| 20) 4-Bromophenyl-phenylether  | 16.32 | 248 | 12215  | 0.90   | ng | # 38  |
| 21) Hexachlorobenzene          | 16.45 | 284 | 18269  | 0.94   | ng | # 80  |
| 22) Pentachlorophenol          | 16.78 | 266 | 5340   | 0.95   | ng | 89    |
| 23) Phenanthrene               | 17.17 | 178 | 80000  | 0.91   | ng | 99    |
| 24) Anthracene                 | 17.27 | 178 | 85917  | 0.93   | ng | 98    |
| 25) Fluoranthene               | 19.21 | 202 | 85319  | 0.93   | ng | 100   |
| 27) Benzidine                  | 19.38 | 184 | 19787  | 0.72   | ng | 95    |
| 28) Pyrene                     | 19.57 | 202 | 91254  | 0.89   | ng | 100   |
| 30) Benzo(a)anthracene         | 21.31 | 228 | 83814m | 0.94   | ng |       |
| 31) 3,3'-Dichlorobenzidine     | 21.25 | 252 | 18746  | 0.87   | ng | # 79  |
| 32) Chrysene                   | 21.37 | 228 | 88831m | 0.95   | ng |       |
| 33) Bis(2-ethylhexyl)phthalate | 21.25 | 149 | 33472  | 0.92   | ng | # 92  |
| 34) Indeno(1,2,3-cd)pyrene     | 25.89 | 276 | 87994  | 1.02   | ng | 94    |
| 36) Benzo(b)fluoranthene       | 22.91 | 252 | 84637  | 0.93   | ng | 100   |
| 37) Benzo(k)fluoranthene       | 22.96 | 252 | 77320  | 0.94   | ng | 100   |
| 38) Benzo(a)pyrene             | 23.50 | 252 | 68258  | 0.89   | ng | 99    |
| 39) Dibenzo(a,h)anthracene     | 25.90 | 278 | 71202  | 0.96   | ng | 100   |
| 40) Benzo(g,h,i)perylene       | 26.58 | 276 | 74175  | 0.92   | ng | 99    |

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

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