

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122914\  
 Data File : BM000089.D  
 Acq On : 30 Dec 2014 11:07  
 Operator : TP  
 Sample : SSTD02008  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02009

Manual Integrations  
 APPROVED

TEJASKUMAR  
 1/7/2015 9:22:10 AM

Quant Time: Dec 31 07:47:13 2014  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM122914.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 31 07:06:16 2014  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 200532   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.63 | 136  | 878276   | 20.00 | ng/ul | -0.01    |
| 35) Acenaphthene-d10      | 14.47 | 164  | 619128   | 20.00 | ng/ul | -0.01    |
| 61) Phenanthrene-d10      | 17.21 | 188  | 1251143m | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.40 | 240  | 1102022  | 20.00 | ng/ul | -0.01    |
| 83) Perylene-d12          | 23.70 | 264  | 879300   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.32  | 96  | 25897   | 7.49  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.00  | 99  | 328294m | 18.90 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.17  | 67  | 206107  | 19.41 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 7.37  | 132 | 241855  | 19.55 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.54  | 113 | 260649  | 18.99 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.00  | 128 | 120734  | 19.88 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.72  | 143 | 128714m | 20.79 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.25 | 165 | 265730m | 19.32 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.77 | 131 | 340627  | 21.92 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.89 | 166 | 877477  | 19.22 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.17 | 160 | 1059038 | 19.36 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.67 | 143 | 127851  | 17.33 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.47 | 176 | 744436  | 18.98 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 114535  | 18.46 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.32 | 188 | 1099862 | 19.01 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.61 | 212 | 1150870 | 22.64 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 23.56 | 264 | 764518  | 19.27 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.35  | 88  | 36896  | 7.70  | ng/uL  | 97     |
| 4) Benzaldehyde                | 6.98  | 77  | 244386 | 22.58 | ng/ul  | 98     |
| 6) Phenol                      | 7.03  | 94  | 344368 | 19.04 | ng/ul  | 99     |
| 8) Bis(2-Chloroethyl)ether     | 7.27  | 93  | 267138 | 19.32 | ng/ul  | 96     |
| 10) 2-Chlorophenol             | 7.41  | 128 | 249254 | 19.25 | ng/ul  | 96     |
| 11) 2-Methylphenol             | 8.28  | 108 | 266928 | 19.13 | ng/ul  | 98     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.38  | 45  | 443121 | 19.89 | ng/ul  | 99     |
| 14) Acetophenone               | 8.66  | 105 | 461569 | 19.71 | ng/ul  | 96     |
| 15) N-Nitroso-di-n-propylamine | 8.64  | 70  | 244778 | 19.96 | ng/ul  | 95     |
| 16) 4-Methylphenol             | 8.61  | 108 | 289594 | 19.19 | ng/ul  | 99     |
| 17) Hexachloroethane           | 8.92  | 117 | 116261 | 19.66 | ng/ul# | 85     |
| 20) Nitrobenzene               | 9.04  | 77  | 363476 | 20.07 | ng/ul  | 98     |
| 21) Isophorone                 | 9.56  | 82  | 659755 | 18.90 | ng/ul  | 99     |
| 23) 2-Nitrophenol              | 9.75  | 139 | 142985 | 20.88 | ng/ul  | 93     |
| 24) 2,4-Dimethylphenol         | 9.81  | 107 | 361930 | 19.48 | ng/ul  | 99     |
| 25) Bis(2-Chloroethoxy)methane | 10.05 | 93  | 375407 | 19.32 | ng/ul  | 99     |
| 27) 2,4-Dichlorophenol         | 10.28 | 162 | 266076 | 19.46 | ng/ul  | 98     |
| 28) Naphthalene                | 10.69 | 128 | 860046 | 19.20 | ng/ul  | 100    |
| 30) 4-Chloroaniline            | 10.79 | 127 | 342190 | 21.29 | ng/ul  | 96     |
| 31) Hexachlorobutadiene        | 10.97 | 225 | 193156 | 19.93 | ng/ul  | 93     |
| 32) Caprolactam                | 11.55 | 113 | 81086  | 17.81 | ng/ul  | 93     |
| 33) 4-Chloro-3-methylphenol    | 11.91 | 107 | 327209 | 19.51 | ng/ul  | 99     |
| 34) 2-Methylnaphthalene        | 12.30 | 142 | 642573 | 19.35 | ng/ul  | 98     |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122914\  
 Data File : BM000089.D  
 Acq On : 30 Dec 2014 11:07  
 Operator : TP  
 Sample : SSTD02008  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02009

Manual Integrations  
 APPROVED

TEJASKUMAR  
 1/7/2015 9:22:10 AM

Quant Time: Dec 31 07:47:13 2014  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM122914.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 31 07:06:16 2014  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.67 | 216  | 342142   | 19.93 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.64 | 237  | 214107   | 18.88 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.91 | 196  | 217822   | 19.89 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.97 | 196  | 224721   | 18.90 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 13.31 | 154  | 869860   | 19.50 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.35 | 162  | 667417   | 19.51 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.56 | 65   | 231721   | 20.91 | ng/ul  | 97       |
| 44) Dimethylphthalate          | 13.93 | 163  | 868243   | 19.09 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.05 | 165  | 166020   | 20.41 | ng/ul  | 88       |
| 47) Acenaphthylene             | 14.20 | 152  | 1093983  | 18.97 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.38 | 138  | 175947   | 21.12 | ng/ul  | 92       |
| 49) Acenaphthene               | 14.54 | 153  | 696924   | 18.96 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.59 | 184  | 70246    | 17.01 | ng/ul  | 93       |
| 52) 4-Nitrophenol              | 14.68 | 109  | 180930   | 18.44 | ng/ul  | 94       |
| 53) Dibenzofuran               | 14.87 | 168  | 1015819  | 19.08 | ng/ul  | 96       |
| 54) 2,4-Dinitrotoluene         | 14.84 | 165  | 238713   | 19.66 | ng/ul  | 90       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.10 | 232  | 196798   | 19.19 | ng/ul  | 95       |
| 56) Diethylphthalate           | 15.29 | 149  | 902864   | 18.89 | ng/ul  | 98       |
| 58) Fluorene                   | 15.52 | 166  | 829639   | 18.78 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.52 | 204  | 413548   | 18.98 | ng/ul  | 93       |
| 60) 4-Nitroaniline             | 15.53 | 138  | 178469   | 18.96 | ng/ul  | 91       |
| 63) 4,6-Dinitro-2-methylphenol | 15.59 | 198  | 119449   | 18.82 | ng/ul# | 90       |
| 64) N-Nitrosodiphenylamine     | 15.73 | 169  | 712440   | 19.64 | ng/ul  | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.41 | 248  | 255156   | 20.01 | ng/ul  | 96       |
| 66) Hexachlorobenzene          | 16.53 | 284  | 293504   | 19.97 | ng/ul  | 93       |
| 67) Atrazine                   | 16.68 | 200  | 273000   | 19.07 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 16.86 | 266  | 154981   | 17.33 | ng/ul  | 95       |
| 69) Phenanthrene               | 17.26 | 178  | 1303126  | 19.25 | ng/ul  | 99       |
| 71) Anthracene                 | 17.35 | 178  | 1322818  | 19.00 | ng/ul  | 99       |
| 72) Carbazole                  | 17.61 | 167  | 1173482  | 18.71 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.19 | 149  | 1458222  | 19.49 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.27 | 202  | 1455214  | 18.74 | ng/ul  | 99       |
| 77) Pyrene                     | 19.64 | 202  | 1481393  | 22.30 | ng/ul  | 98       |
| 78) Butylbenzylphthalate       | 20.54 | 149  | 577784   | 21.41 | ng/ul  | 97       |
| 79) 3,3'-Dichlorobenzidine     | 21.32 | 252  | 393704   | 19.54 | ng/ul  | 99       |
| 80) Benzo(a)anthracene         | 21.39 | 228  | 1239536  | 19.48 | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 786290   | 20.02 | ng/ul  | 99       |
| 82) Chrysene                   | 21.44 | 228  | 1156875  | 19.73 | ng/ul  | 98       |
| 84) Di-n-octyl phthalate       | 22.21 | 149  | 1201910  | 19.88 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 23.01 | 252  | 1142382  | 20.36 | ng/ul  | 100      |
| 86) Benzo(k)fluoranthene       | 23.06 | 252  | 921550   | 19.24 | ng/ul  | 99       |
| 88) Benzo(a)pyrene             | 23.60 | 252  | 952080   | 19.32 | ng/ul  | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.04 | 276  | 1024194  | 19.92 | ng/ul  | 98       |
| 90) Dibenzo(a,h)anthracene     | 26.05 | 278  | 870247   | 20.10 | ng/ul  | 97       |
| 91) Benzo(g,h,i)perylene       | 26.75 | 276  | 857183   | 20.29 | ng/ul  | 99       |

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

