

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010116\  
 Data File : BM003873.D  
 Acq On : 30 Dec 2015 10:58  
 Operator : SJ/UM  
 Sample : SSTD01038  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD01038

Quant Time: Dec 30 13:06:12 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM010116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 30 13:02:01 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 56034    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.46 | 136  | 243106   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.33 | 164  | 140297   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.07 | 188  | 316439   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.28 | 240  | 321958   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.51 | 264  | 265744   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 4607   | 4.43  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.85  | 99  | 43714  | 9.26  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.01  | 67  | 25260  | 10.04 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 36501  | 9.47  | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.39  | 113 | 35669  | 8.72  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.83  | 128 | 17180  | 9.74  | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.55  | 143 | 18515  | 9.33  | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.09 | 165 | 34456  | 9.51  | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.60 | 131 | 47760  | 9.90  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.73 | 166 | 111112 | 9.58  | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.02 | 160 | 131375 | 9.95  | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.54 | 143 | 18750  | 8.30  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.32 | 176 | 94616  | 9.86  | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 14115  | 7.91  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.17 | 188 | 144780 | 10.06 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.47 | 212 | 156940 | 11.16 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.37 | 264 | 130322 | 9.87  | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |       | Ovalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.17  | 88  | 5757   | 4.71  | ng/uL | 98     |
| 4) Benzaldehyde                | 6.82  | 77  | 29381  | 10.79 | ng/ul | 99     |
| 6) Phenol                      | 6.87  | 94  | 46469  | 9.34  | ng/ul | 98     |
| 8) Bis(2-Chloroethyl)ether     | 7.10  | 93  | 35840  | 9.75  | ng/ul | 97     |
| 10) 2-Chlorophenol             | 7.24  | 128 | 38323  | 9.57  | ng/ul | 98     |
| 11) 2-Methylphenol             | 8.12  | 108 | 36074  | 9.16  | ng/ul | 97     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.21  | 45  | 40081  | 10.81 | ng/ul | 96     |
| 14) Acetophenone               | 8.49  | 105 | 58006  | 9.08  | ng/ul | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.47  | 70  | 28691  | 9.27  | ng/ul | 95     |
| 16) 4-Methylphenol             | 8.45  | 108 | 39002  | 8.89  | ng/ul | 97     |
| 17) Hexachloroethane           | 8.75  | 117 | 14941  | 9.81  | ng/ul | 97     |
| 20) Nitrobenzene               | 8.87  | 77  | 41563  | 10.20 | ng/ul | 97     |
| 21) Isophorone                 | 9.39  | 82  | 78281  | 9.64  | ng/ul | 98     |
| 23) 2-Nitrophenol              | 9.58  | 139 | 21205  | 9.64  | ng/ul | 94     |
| 24) 2,4-Dimethylphenol         | 9.65  | 107 | 43232  | 9.60  | ng/ul | 97     |
| 25) Bis(2-Chloroethoxy)methane | 9.87  | 93  | 48699  | 9.95  | ng/ul | 99     |
| 27) 2,4-Dichlorophenol         | 10.12 | 162 | 35743  | 9.50  | ng/ul | 98     |
| 28) Naphthalene                | 10.51 | 128 | 124869 | 9.97  | ng/ul | 100    |
| 30) 4-Chloroaniline            | 10.63 | 127 | 48742  | 10.00 | ng/ul | 100    |
| 31) Hexachlorobutadiene        | 10.79 | 225 | 22103  | 9.54  | ng/ul | 99     |
| 32) Caprolactam                | 11.37 | 113 | 11339  | 8.06  | ng/ul | 95     |
| 33) 4-Chloro-3-methylphenol    | 11.76 | 107 | 40570  | 9.19  | ng/ul | 98     |
| 34) 2-Methylnaphthalene        | 12.13 | 142 | 89291  | 9.55  | ng/ul | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.35 | 142  | 85033    | 9.57  | ng/ul  | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216  | 43546    | 10.26 | ng/ul  | 98       |
| 38) Hexachlorocyclopentadiene  | 12.48 | 237  | 16782    | 7.38  | ng/ul  | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.75 | 196  | 27616    | 9.63  | ng/ul  | 98       |
| 40) 2,4,5-Trichlorophenol      | 12.83 | 196  | 30168    | 9.52  | ng/ul  | 99       |
| 41) 1,1'-Biphenyl              | 13.15 | 154  | 116280   | 10.20 | ng/ul  | 99       |
| 42) 2-Chloronaphthalene        | 13.19 | 162  | 85839    | 10.03 | ng/ul  | 99       |
| 43) 2-Nitroaniline             | 13.40 | 65   | 23528    | 9.93  | ng/ul  | 88       |
| 45) Dimethylphthalate          | 13.78 | 163  | 113054   | 9.53  | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene         | 13.91 | 165  | 20949    | 9.06  | ng/ul  | 93       |
| 48) Acenaphthylene             | 14.04 | 152  | 145342   | 10.07 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.24 | 138  | 24154    | 9.37  | ng/ul  | 96       |
| 50) Acenaphthene               | 14.39 | 153  | 97248    | 10.09 | ng/ul  | 98       |
| 51) 2,4-Dinitrophenol          | 14.45 | 184  | 7369     | 6.01  | ng/ul  | 95       |
| 53) 4-Nitrophenol              | 14.56 | 109  | 15126    | 7.91  | ng/ul  | 93       |
| 54) Dibenzofuran               | 14.73 | 168  | 137826   | 10.02 | ng/ul  | 96       |
| 55) 2,4-Dinitrotoluene         | 14.70 | 165  | 31845    | 9.07  | ng/ul  | 95       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.96 | 232  | 24469    | 8.96  | ng/ul  | 98       |
| 57) Diethylphthalate           | 15.15 | 149  | 116236   | 9.26  | ng/ul  | 99       |
| 59) Fluorene                   | 15.38 | 166  | 110978   | 10.05 | ng/ul  | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.37 | 204  | 53726    | 10.02 | ng/ul  | 95       |
| 61) 4-Nitroaniline             | 15.40 | 138  | 24548    | 8.57  | ng/ul  | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 15.47 | 198  | 15284    | 8.00  | ng/ul# | 97       |
| 65) N-Nitrosodiphenylamine     | 15.59 | 169  | 96239    | 10.39 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.27 | 248  | 31659    | 10.05 | ng/ul  | 96       |
| 67) Hexachlorobenzene          | 16.39 | 284  | 34931    | 9.97  | ng/ul  | 97       |
| 68) Atrazine                   | 16.54 | 200  | 34093    | 9.58  | ng/ul  | 99       |
| 69) Pentachlorophenol          | 16.73 | 266  | 14411    | 7.29  | ng/ul  | 99       |
| 70) Phenanthrene               | 17.12 | 178  | 177916   | 10.16 | ng/ul  | 99       |
| 72) Anthracene                 | 17.21 | 178  | 182417   | 10.22 | ng/ul  | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.12 | 216  | 46525    | 10.73 | ng/uL  | 100      |
| 74) Pentachlorobenzene         | 14.65 | 250  | 42786    | 10.47 | ng/uL  | 98       |
| 75) Carbazole                  | 17.48 | 167  | 166531   | 10.22 | ng/ul  | 100      |
| 76) Di-n-butylphthalate        | 18.04 | 149  | 198203   | 9.35  | ng/ul  | 99       |
| 77) Fluoranthene               | 19.14 | 202  | 197930   | 9.84  | ng/ul  | 98       |
| 80) Pvrene                     | 19.50 | 202  | 207099   | 11.18 | ng/ul  | 97       |
| 81) Butylbenzylphthalate       | 20.41 | 149  | 84396    | 9.63  | ng/ul  | 95       |
| 82) 3,3'-Dichlorobenzidine     | 21.20 | 252  | 53626    | 8.71  | ng/ul  | 100      |
| 83) Benzo(a)anthracene         | 21.26 | 228  | 189172   | 9.75  | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 116162   | 8.91  | ng/ul  | 100      |
| 85) Chrysene                   | 21.32 | 228  | 178680   | 9.55  | ng/ul  | 100      |
| 87) Di-n-octyl phthalate       | 22.07 | 149  | 184549   | 10.05 | ng/ul  | 99       |
| 88) Benzo(b)fluoranthene       | 22.84 | 252  | 161338   | 10.07 | ng/ul  | 99       |
| 89) Benzo(k)fluoranthene       | 22.89 | 252  | 157281   | 10.36 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 23.41 | 252  | 151129   | 9.86  | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.76 | 276  | 151583   | 9.19  | ng/ul  | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.77 | 278  | 127841   | 9.24  | ng/ul  | 98       |
| 94) Benzo(a,h,i)perylene       | 26.45 | 276  | 124241   | 9.17  | ng/ul  | 98       |

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| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

