

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM011516\  
 Data File : BM004016.D  
 Acq On : 14 Jan 2016 16:57  
 Operator : SJ/UM  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02058

Manual Integrations  
 APPROVED

mohammad  
 1/15/2016 3:02:54 PM

Quant Time: Jan 15 00:27:27 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 13 06:45:02 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 37594    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 180902   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.32 | 164  | 107528   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.07 | 188  | 243838   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.28 | 240  | 225150   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.51 | 264  | 188816   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 6147   | 7.31  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.85  | 99  | 69220  | 22.18 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 38577  | 21.86 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 57520  | 22.42 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.38  | 113 | 58704  | 23.21 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 28870  | 21.19 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.54  | 143 | 31395  | 21.02 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.08 | 165 | 57255  | 21.57 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 64789  | 18.49 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.73 | 166 | 176528 | 20.91 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.01 | 160 | 224996 | 21.88 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.54 | 143 | 31036  | 20.47 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.32 | 176 | 157081 | 21.94 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 24379  | 17.73 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.17 | 188 | 245364 | 21.76 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.47 | 212 | 257460 | 22.08 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.37 | 264 | 205649 | 21.81 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.16  | 88  | 6854   | 7.03  | ng/uL | 98     |
| 4) Benzaldehyde                | 6.81  | 77  | 45911  | 25.09 | ng/ul | 96     |
| 6) Phenol                      | 6.87  | 94  | 75046  | 22.79 | ng/ul | 99     |
| 8) Bis(2-Chloroethyl)ether     | 7.09  | 93  | 54832  | 22.13 | ng/ul | 98     |
| 10) 2-Chlorophenol             | 7.23  | 128 | 59992  | 22.37 | ng/ul | 98     |
| 11) 2-Methylphenol             | 8.12  | 108 | 58172  | 23.11 | ng/ul | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20  | 45  | 61753  | 22.68 | ng/ul | 96     |
| 14) Acetophenone               | 8.49  | 105 | 94482  | 23.99 | ng/ul | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.47  | 70  | 46210  | 23.37 | ng/ul | 98     |
| 16) 4-Methylphenol             | 8.44  | 108 | 64625  | 23.68 | ng/ul | 99     |
| 17) Hexachloroethane           | 8.73  | 117 | 22307  | 21.55 | ng/ul | 98     |
| 20) Nitrobenzene               | 8.86  | 77  | 69797  | 21.73 | ng/ul | 97     |
| 21) Isophorone                 | 9.39  | 82  | 130088 | 21.81 | ng/ul | 99     |
| 23) 2-Nitrophenol              | 9.57  | 139 | 35557  | 21.46 | ng/ul | 96     |
| 24) 2,4-Dimethylphenol         | 9.64  | 107 | 72482  | 21.81 | ng/ul | 99     |
| 25) Bis(2-Chloroethoxy)methane | 9.87  | 93  | 77157  | 20.93 | ng/ul | 99     |
| 27) 2,4-Dichlorophenol         | 10.10 | 162 | 60811  | 22.22 | ng/ul | 99     |
| 28) Naphthalene                | 10.50 | 128 | 208124 | 22.08 | ng/ul | 100    |
| 30) 4-Chloroaniline            | 10.62 | 127 | 69049  | 19.46 | ng/ul | 99     |
| 31) Hexachlorobutadiene        | 10.79 | 225 | 36269  | 21.53 | ng/ul | 99     |
| 32) Caprolactam                | 11.37 | 113 | 19406  | 22.16 | ng/ul | 97     |
| 33) 4-Chloro-3-methylphenol    | 11.76 | 107 | 69191  | 22.60 | ng/ul | 99     |
| 34) 2-Methylnaphthalene        | 12.12 | 142 | 151532 | 22.74 | ng/ul | 98     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.34 | 142  | 143220   | 22.64 | ng/ul | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216  | 73148    | 21.27 | ng/ul | 98       |
| 38) Hexachlorocyclopentadiene  | 12.47 | 237  | 15689    | 8.71  | ng/ul | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.74 | 196  | 47199    | 21.29 | ng/ul | 99       |
| 40) 2,4,5-Trichlorophenol      | 12.82 | 196  | 52137    | 21.70 | ng/ul | 99       |
| 41) 1,1'-Biphenyl              | 13.15 | 154  | 194525   | 21.47 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 13.19 | 162  | 148611   | 21.88 | ng/ul | 98       |
| 43) 2-Nitroaniline             | 13.40 | 65   | 42236    | 22.35 | ng/ul | 96       |
| 45) Dimethylphthalate          | 13.78 | 163  | 185021   | 21.50 | ng/ul | 99       |
| 46) 2,6-Dinitrotoluene         | 13.90 | 165  | 38398    | 22.64 | ng/ul | 95       |
| 48) Acenaphthylene             | 14.04 | 152  | 247490   | 21.97 | ng/ul | 100      |
| 49) 3-Nitroaniline             | 14.23 | 138  | 39856    | 21.68 | ng/ul | 96       |
| 50) Acenaphthene               | 14.39 | 153  | 166264   | 22.32 | ng/ul | 98       |
| 51) 2,4-Dinitrophenol          | 14.45 | 184  | 13245    | 16.09 | ng/ul | 95       |
| 53) 4-Nitrophenol              | 14.56 | 109  | 25191    | 21.03 | ng/ul | 95       |
| 54) Dibenzofuran               | 14.72 | 168  | 232185   | 22.26 | ng/ul | 98       |
| 55) 2,4-Dinitrotoluene         | 14.70 | 165  | 58232    | 23.63 | ng/ul | 95       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.96 | 232  | 42387    | 22.03 | ng/ul | 99       |
| 57) Diethylphthalate           | 15.15 | 149  | 190024   | 21.78 | ng/ul | 100      |
| 59) Fluorene                   | 15.37 | 166  | 188711   | 22.81 | ng/ul | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.37 | 204  | 88738    | 22.24 | ng/ul | 97       |
| 61) 4-Nitroaniline             | 15.40 | 138  | 47835    | 24.85 | ng/ul | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 15.47 | 198  | 26739    | 18.22 | ng/ul | 99       |
| 65) N-Nitrosodiphenylamine     | 15.59 | 169  | 163041   | 21.29 | ng/ul | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.26 | 248  | 52957    | 20.94 | ng/ul | 97       |
| 67) Hexachlorobenzene          | 16.38 | 284  | 59690    | 21.60 | ng/ul | 99       |
| 68) Atrazine                   | 16.54 | 200  | 56387    | 21.24 | ng/ul | 99       |
| 69) Pentachlorophenol          | 16.73 | 266  | 27253m   | 20.26 | ng/ul |          |
| 70) Phenanthrene               | 17.12 | 178  | 305441   | 22.28 | ng/ul | 100      |
| 72) Anthracene                 | 17.20 | 178  | 310566   | 22.08 | ng/ul | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.12 | 216  | 69407    | 17.74 | ng/uL | 99       |
| 74) Pentachlorobenzene         | 14.64 | 250  | 68496    | 19.73 | ng/uL | 98       |
| 75) Carbazole                  | 17.48 | 167  | 279319   | 22.58 | ng/ul | 100      |
| 76) Di-n-butylphthalate        | 18.04 | 149  | 332741   | 22.03 | ng/ul | 100      |
| 77) Fluoranthene               | 19.14 | 202  | 339438   | 23.82 | ng/ul | 97       |
| 80) Pyrene                     | 19.51 | 202  | 351738   | 23.01 | ng/ul | 100      |
| 81) Butylbenzylphthalate       | 20.41 | 149  | 152819   | 24.77 | ng/ul | 95       |
| 82) 3,3'-Dichlorobenzidine     | 21.20 | 252  | 97353    | 24.95 | ng/ul | 99       |
| 83) Benzo(a)anthracene         | 21.26 | 228  | 298373   | 22.25 | ng/ul | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 222826   | 27.29 | ng/ul | 100      |
| 85) Chrysene                   | 21.31 | 228  | 277876   | 21.81 | ng/ul | 100      |
| 87) Di-n-octyl phthalate       | 22.07 | 149  | 376432   | 29.90 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.84 | 252  | 262712   | 22.89 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.89 | 252  | 241559   | 22.12 | ng/ul | 99       |
| 91) Benzo(a)pyrene             | 23.42 | 252  | 242253   | 22.25 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.77 | 276  | 264765   | 21.99 | ng/ul | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.77 | 278  | 223518   | 22.09 | ng/ul | 99       |
| 94) Benzo(g,h,i)perylene       | 26.46 | 276  | 221873   | 21.94 | 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 |      |      |          |      |       |          |

