

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\  
 Data File : BM023325.D  
 Acq On : 22 Oct 2019 18:57  
 Operator : JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02001

Quant Time: Oct 23 01:33:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 23 01:30:41 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 398945   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.43 | 136  | 1588844  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.29 | 164  | 973317   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.04 | 188  | 2080810  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.23 | 240  | 2306156  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.43 | 264  | 2778140  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.17  | 96  | 71222   | 7.86  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 610782  | 17.58 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 346026  | 17.60 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.18  | 132 | 496146  | 18.66 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.35  | 113 | 481864  | 17.26 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.79  | 128 | 228839  | 21.29 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.51  | 143 | 247659  | 24.20 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.05 | 165 | 499722  | 19.20 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.56 | 131 | 510619  | 16.13 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.71 | 166 | 1390355 | 18.64 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.98 | 160 | 1663002 | 19.01 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.49 | 143 | 253169  | 20.97 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.29 | 176 | 1202663 | 18.93 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 200472  | 24.30 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.13 | 188 | 1903607 | 18.97 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.43 | 212 | 2178247 | 19.50 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.29 | 264 | 2688971 | 19.09 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.20  | 88  | 74328   | 7.845  | ng/uL 92  |
| 4) Benzaldehyde                | 6.79  | 77  | 441060  | 19.319 | ng/ul 97  |
| 6) Phenol                      | 6.85  | 94  | 635563  | 17.738 | ng/ul 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.07  | 93  | 481222  | 18.212 | ng/ul 97  |
| 10) 2-Chlorophenol             | 7.21  | 128 | 524087  | 18.856 | ng/ul 96  |
| 11) 2-Methylphenol             | 8.09  | 108 | 467219  | 17.010 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.18  | 45  | 662288  | 17.172 | ng/ul 99  |
| 14) Acetophenone               | 8.46  | 105 | 746798  | 17.164 | ng/ul 97  |
| 15) N-Nitroso-di-n-propylamine | 8.45  | 70  | 387883  | 16.139 | ng/ul 96  |
| 16) 4-Methylphenol             | 8.42  | 108 | 512057  | 17.144 | ng/ul 99  |
| 17) Hexachloroethane           | 8.72  | 117 | 214202  | 19.388 | ng/ul 98  |
| 20) Nitrobenzene               | 8.83  | 77  | 560771  | 19.524 | ng/ul 100 |
| 21) Isophorone                 | 9.36  | 82  | 1036489 | 16.777 | ng/ul 100 |
| 23) 2-Nitrophenol              | 9.55  | 139 | 274528  | 23.303 | ng/ul 95  |
| 24) 2,4-Dimethylphenol         | 9.62  | 107 | 569727  | 18.195 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.85  | 93  | 635369  | 18.518 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.07 | 162 | 493576  | 19.406 | ng/ul 98  |
| 28) Naphthalene                | 10.47 | 128 | 1585671 | 19.309 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.58 | 127 | 527413  | 16.097 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.77 | 225 | 326535  | 19.058 | ng/ul 98  |
| 32) Caprolactam                | 11.35 | 113 | 150048  | 16.430 | ng/ul 97  |
| 33) 4-Chloro-3-methylphenol    | 11.72 | 107 | 512739  | 17.593 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.10 | 142 | 1134725 | 18.569 | ng/ul 100 |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.32 | 142  | 1098707  | 18.578 | ng/ul | 100      |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.47 | 216  | 622396   | 19.769 | ng/ul | 99       |
| 38) Hexachlorocyclopentadiene  | 12.46 | 237  | 300034   | 15.748 | ng/ul | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.72 | 196  | 394842   | 20.395 | ng/ul | 99       |
| 40) 2,4,5-Trichlorophenol      | 12.79 | 196  | 426136   | 20.475 | ng/ul | 99       |
| 41) 1,1'-Biphenyl              | 13.12 | 154  | 1469297  | 19.840 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 13.16 | 162  | 1141306  | 19.899 | ng/ul | 99       |
| 43) 2-Nitroaniline             | 13.36 | 65   | 307135   | 22.851 | ng/ul | 99       |
| 45) Dimethylphthalate          | 13.76 | 163  | 1396246  | 18.702 | ng/ul | 100      |
| 46) 2,6-Dinitrotoluene         | 13.86 | 165  | 275440   | 23.499 | ng/ul | 94       |
| 48) Acenaphthylene             | 14.01 | 152  | 1731002  | 19.352 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.19 | 138  | 229718   | 18.188 | ng/ul | 94       |
| 50) Acenaphthene               | 14.36 | 153  | 1214339  | 19.497 | ng/ul | 100      |
| 51) 2,4-Dinitrophenol          | 14.40 | 184  | 137086   | 25.674 | ng/ul | 98       |
| 53) 4-Nitrophenol              | 14.50 | 109  | 210350   | 19.339 | ng/ul | 93       |
| 54) Dibenzofuran               | 14.69 | 168  | 1715182  | 19.398 | ng/ul | 97       |
| 55) 2,4-Dinitrotoluene         | 14.66 | 165  | 404407   | 23.587 | ng/ul | 94       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.92 | 232  | 379931   | 20.969 | ng/ul | 99       |
| 57) Diethylphthalate           | 15.13 | 149  | 1402814  | 18.398 | ng/ul | 99       |
| 59) Fluorene                   | 15.34 | 166  | 1398037  | 19.271 | ng/ul | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.34 | 204  | 717117   | 18.927 | ng/ul | 99       |
| 61) 4-Nitroaniline             | 15.35 | 138  | 264194   | 17.384 | ng/ul | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 15.42 | 198  | 229882   | 23.799 | ng/ul | 98       |
| 65) N-Nitrosodiphenylamine     | 15.56 | 169  | 1230896  | 19.167 | ng/ul | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.24 | 248  | 481836   | 19.181 | ng/ul | 96       |
| 67) Hexachlorobenzene          | 16.35 | 284  | 572806   | 20.106 | ng/ul | 100      |
| 68) Atrazine                   | 16.52 | 200  | 455251   | 18.522 | ng/ul | 98       |
| 69) Pentachlorophenol          | 16.69 | 266  | 328068   | 20.558 | ng/ul | 98       |
| 70) Phenanthrene               | 17.08 | 178  | 2273761  | 19.471 | ng/ul | 99       |
| 72) Anthracene                 | 17.17 | 178  | 2324139  | 19.260 | ng/ul | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.08 | 216  | 600062   | 19.859 | ng/uL | 99       |
| 74) Pentachlorobenzene         | 14.62 | 250  | 624033   | 19.823 | ng/uL | 99       |
| 75) Carbazole                  | 17.44 | 167  | 2134401  | 19.799 | ng/ul | 99       |
| 76) Di-n-butylphthalate        | 18.03 | 149  | 2411028  | 18.794 | ng/ul | 99       |
| 77) Fluoranthene               | 19.10 | 202  | 2771776  | 19.958 | ng/ul | 99       |
| 80) Pvrene                     | 19.46 | 202  | 2865641  | 19.835 | ng/ul | 99       |
| 81) Butylbenzylphthalate       | 20.39 | 149  | 1154803  | 22.982 | ng/ul | 96       |
| 82) 3,3'-Dichlorobenzidine     | 21.15 | 252  | 966342   | 17.298 | ng/ul | 100      |
| 83) Benzo(a)anthracene         | 21.22 | 228  | 2979356  | 19.067 | ng/ul | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 1676278  | 20.980 | ng/ul | 99       |
| 85) Chrysene                   | 21.27 | 228  | 2815186  | 19.403 | ng/ul | 99       |
| 87) Di-n-octyl phthalate       | 22.04 | 149  | 2863849  | 19.981 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.77 | 252  | 3176311  | 18.857 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.82 | 252  | 3103485  | 19.188 | ng/ul | 100      |
| 91) Benzo(a)pyrene             | 23.34 | 252  | 3068201  | 18.986 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.64 | 276  | 3820548  | 19.873 | ng/ul | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.66 | 278  | 3229526  | 20.091 | ng/ul | 99       |
| 94) Benzo(a,h,i)perylene       | 26.31 | 276  | 3137993  | 19.825 | ng/ul | 99       |

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

