

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\  
 Data File : BM023132.D  
 Acq On : 11 Oct 2019 16:32  
 Operator : JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02098

Quant Time: Oct 11 17:42:05 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 08 15:02:34 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 210159   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.56 | 136  | 828616   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.40 | 164  | 457637   | 20.00 | ng/ul | -0.01    |
| 62) Phenanthrene-d10      | 17.14 | 188  | 888112   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.33 | 240  | 909281   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.58 | 264  | 1096899  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 39329   | 8.09  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.94  | 99  | 334808  | 18.03 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 185410  | 18.24 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 284576  | 19.03 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.48  | 113 | 260869  | 17.16 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.92  | 128 | 131539  | 20.57 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.64  | 143 | 147801  | 21.17 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.18 | 165 | 273696  | 19.69 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.69 | 131 | 306361  | 18.14 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 13.82 | 166 | 672500  | 18.93 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.10 | 160 | 827908  | 20.19 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.61 | 143 | 123049  | 17.53 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.40 | 176 | 574422  | 18.98 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 103641  | 17.93 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.24 | 188 | 863216  | 19.90 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.54 | 212 | 952768  | 19.47 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.44 | 264 | 1122238 | 19.78 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.28  | 88  | 38650  | 8.040  | ng/uL 99  |
| 4) Benzaldehyde                | 6.92  | 77  | 123303 | 14.652 | ng/ul 99  |
| 6) Phenol                      | 6.97  | 94  | 353950 | 18.183 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 7.19  | 93  | 267714 | 18.184 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.33  | 128 | 304746 | 18.999 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.21  | 108 | 265111 | 17.670 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.30  | 45  | 352171 | 18.092 | ng/ul 100 |
| 14) Acetophenone               | 8.59  | 105 | 403343 | 17.355 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.57  | 70  | 201219 | 16.857 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.54  | 108 | 285729 | 17.224 | ng/ul 98  |
| 17) Hexachloroethane           | 8.85  | 117 | 119259 | 19.565 | ng/ul 96  |
| 20) Nitrobenzene               | 8.96  | 77  | 296135 | 19.837 | ng/ul 100 |
| 21) Isophorone                 | 9.49  | 82  | 546557 | 18.585 | ng/ul 100 |
| 23) 2-Nitrophenol              | 9.67  | 139 | 163741 | 20.502 | ng/ul 97  |
| 24) 2,4-Dimethylphenol         | 9.74  | 107 | 301079 | 19.362 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.97  | 93  | 343189 | 18.297 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.21 | 162 | 275776 | 19.597 | ng/ul 99  |
| 28) Naphthalene                | 10.60 | 128 | 886821 | 19.817 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.72 | 127 | 324566 | 18.244 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.89 | 225 | 178564 | 20.972 | ng/ul 99  |
| 32) Caprolactam                | 11.50 | 113 | 72329  | 15.874 | ng/ul 96  |
| 33) 4-Chloro-3-methylphenol    | 11.85 | 107 | 255765 | 17.653 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.22 | 142 | 620127 | 18.483 | ng/ul 99  |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.44 | 142  | 585717   | 18.278 | ng/ul | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.59 | 216  | 330534   | 22.014 | ng/ul | 99       |
| 38) Hexachlorocyclopentadiene  | 12.57 | 237  | 147994   | 15.726 | ng/ul | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.83 | 196  | 208657   | 20.953 | ng/ul | 99       |
| 40) 2,4,5-Trichlorophenol      | 12.91 | 196  | 219653   | 20.224 | ng/ul | 98       |
| 41) 1,1'-Biphenyl              | 13.24 | 154  | 772609   | 20.619 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 13.28 | 162  | 591705   | 20.655 | ng/ul | 99       |
| 43) 2-Nitroaniline             | 13.48 | 65   | 148086   | 19.933 | ng/ul | 99       |
| 45) Dimethylphthalate          | 13.86 | 163  | 685267   | 18.782 | ng/ul | 100      |
| 46) 2,6-Dinitrotoluene         | 13.98 | 165  | 142445   | 19.580 | ng/ul | 100      |
| 48) Acenaphthylene             | 14.13 | 152  | 892625   | 20.164 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.31 | 138  | 135241   | 19.165 | ng/ul | 99       |
| 50) Acenaphthene               | 14.47 | 153  | 612730   | 19.869 | ng/ul | 99       |
| 51) 2,4-Dinitrophenol          | 14.52 | 184  | 86134    | 18.552 | ng/ul | 97       |
| 53) 4-Nitrophenol              | 14.62 | 109  | 90126    | 17.572 | ng/ul | 98       |
| 54) Dibenzofuran               | 14.80 | 168  | 860929   | 19.547 | ng/ul | 100      |
| 55) 2,4-Dinitrotoluene         | 14.77 | 165  | 201943   | 18.814 | ng/ul | 100      |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.03 | 232  | 185903   | 19.454 | ng/ul | 99       |
| 57) Diethylphthalate           | 15.23 | 149  | 675117   | 18.430 | ng/ul | 99       |
| 59) Fluorene                   | 15.46 | 166  | 684124   | 19.221 | ng/ul | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.45 | 204  | 347968   | 19.287 | ng/ul | 99       |
| 61) 4-Nitroaniline             | 15.47 | 138  | 141643   | 17.768 | ng/ul | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.53 | 198  | 117011   | 18.104 | ng/ul | 98       |
| 65) N-Nitrosodiphenylamine     | 15.66 | 169  | 587521   | 20.127 | ng/ul | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.34 | 248  | 219842   | 20.520 | ng/ul | 97       |
| 67) Hexachlorobenzene          | 16.46 | 284  | 243492   | 20.383 | ng/ul | 98       |
| 68) Atrazine                   | 16.62 | 200  | 210142   | 19.691 | ng/ul | 98       |
| 69) Pentachlorophenol          | 16.80 | 266  | 143578   | 18.527 | ng/ul | 99       |
| 70) Phenanthrene               | 17.19 | 178  | 1043757  | 19.692 | ng/ul | 99       |
| 72) Anthracene                 | 17.28 | 178  | 1080886  | 20.013 | ng/ul | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.20 | 216  | 318163   | 22.956 | ng/uL | 99       |
| 74) Pentachlorobenzene         | 14.73 | 250  | 302288   | 21.850 | ng/uL | 98       |
| 75) Carbazole                  | 17.55 | 167  | 968233   | 20.171 | ng/ul | 100      |
| 76) Di-n-butylphthalate        | 18.12 | 149  | 1145929  | 20.248 | ng/ul | 100      |
| 77) Fluoranthene               | 19.20 | 202  | 1237657  | 20.761 | ng/ul | 100      |
| 80) Pvrene                     | 19.57 | 202  | 1255592  | 19.480 | ng/ul | 99       |
| 81) Butylbenzylphthalate       | 20.47 | 149  | 541700   | 20.435 | ng/ul | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.24 | 252  | 440037   | 21.244 | ng/ul | 99       |
| 83) Benzo(a)anthracene         | 21.31 | 228  | 1295427  | 19.843 | ng/ul | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.25 | 149  | 775445   | 20.588 | ng/ul | 98       |
| 85) Chrysene                   | 21.37 | 228  | 1204484  | 20.012 | ng/ul | 100      |
| 87) Di-n-octyl phthalate       | 22.13 | 149  | 1361140  | 18.246 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.90 | 252  | 1373814  | 18.873 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.95 | 252  | 1290608  | 18.532 | ng/ul | 100      |
| 91) Benzo(a)pyrene             | 23.49 | 252  | 1312090  | 19.213 | ng/ul | 100      |
| 92) Indeno(1,2,3-cd)pyrene     | 25.86 | 276  | 1599028  | 22.044 | ng/ul | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.87 | 278  | 1332087  | 21.952 | ng/ul | 99       |
| 94) Benzo(a,h,i)perylene       | 26.56 | 276  | 1338571  | 22.873 | ng/ul | 99       |

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

