

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010719\  
 Data File : BM018440.D  
 Acq On : 07 Jan 2019 12:32  
 Operator : JU/SJ  
 Sample : SSTD08006  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD08006

Manual Integrations  
 APPROVED

Sohil  
 1/8/2019 5:38:49 PM

Quant Time: Jan 07 13:11:05 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM010719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 07 12:07:21 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 351372   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.56 | 136  | 1490297  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.41 | 164  | 836580   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.16 | 188  | 1912758  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.35 | 240  | 1998231  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.64 | 264  | 2042082  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 236500  | 32.11 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.95  | 99  | 2273897 | 67.35 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.11  | 67  | 1254952 | 69.30 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 2036629 | 76.29 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.49  | 113 | 1855230 | 67.74 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.93  | 128 | 954766  | 77.99 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.65  | 143 | 1045141 | 72.12 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.19 | 165 | 1994758 | 79.64 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.71 | 131 | 1535803 | 69.38 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.83 | 166 | 5683956 | 76.80 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.11 | 160 | 7143060 | 79.21 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.64 | 143 | 1058768 | 79.28 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.41 | 176 | 4802111 | 78.11 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 966069  | 66.29 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.26 | 188 | 7374426 | 76.30 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.56 | 212 | 8097888 | 84.52 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.50 | 264 | 9003871 | 79.60 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |         |        | Ovalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 2) 1,4-Dioxane                 | 3.29  | 88  | 233656  | 28.816 | ng/uL  | 96  |
| 4) Benzaldehyde                | 6.92  | 77  | 456988  | 76.680 | ng/ul  | 95  |
| 6) Phenol                      | 6.97  | 94  | 2183842 | 65.766 | ng/ul  | 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.20  | 93  | 1676220 | 68.731 | ng/ul  | 97  |
| 10) 2-Chlorophenol             | 7.33  | 128 | 1974180 | 74.975 | ng/ul  | 98  |
| 11) 2-Methylphenol             | 8.22  | 108 | 1736418 | 67.011 | ng/ul  | 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.30  | 45  | 2101181 | 91.224 | ng/ul  | 98  |
| 14) Acetophenone               | 8.60  | 105 | 2733927 | 66.068 | ng/ul  | 99  |
| 15) N-Nitroso-di-n-propylamine | 8.59  | 70  | 1309781 | 61.807 | ng/ul  | 98  |
| 16) 4-Methylphenol             | 8.55  | 108 | 1803989 | 64.017 | ng/ul  | 99  |
| 17) Hexachloroethane           | 8.83  | 117 | 800112  | 76.754 | ng/ul  | 98  |
| 20) Nitrobenzene               | 8.97  | 77  | 1967374 | 71.043 | ng/ul  | 99  |
| 21) Isophorone                 | 9.50  | 82  | 3725998 | 66.947 | ng/ul  | 99  |
| 23) 2-Nitrophenol              | 9.68  | 139 | 1095661 | 73.811 | ng/ul  | 97  |
| 24) 2,4-Dimethylphenol         | 9.74  | 107 | 2109240 | 71.595 | ng/ul  | 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.98  | 93  | 2252776 | 68.897 | ng/ul  | 99  |
| 27) 2,4-Dichlorophenol         | 10.22 | 162 | 1878462 | 77.359 | ng/ul  | 99  |
| 28) Naphthalene                | 10.61 | 128 | 5950664 | 74.212 | ng/ul  | 99  |
| 30) 4-Chloroaniline            | 10.73 | 127 | 1499129 | 66.429 | ng/ul  | 98  |
| 31) Hexachlorobutadiene        | 10.88 | 225 | 1234410 | 79.282 | ng/ul  | 99  |
| 32) Caprolactam                | 11.54 | 113 | 585701m | 62.448 | ng/ul  |     |
| 33) 4-Chloro-3-methylphenol    | 11.86 | 107 | 1918365 | 68.920 | ng/ul  | 99  |
| 34) 2-Methylnaphthalene        | 12.22 | 142 | 4369492 | 73.445 | ng/ul  | 100 |

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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.59 | 216  | 2266438  | 83.821  | ng/ul | 97       |
| 37) Hexachlorocyclopentadiene  | 12.56 | 237  | 1452837  | 106.478 | ng/ul | 96       |
| 38) 2,4,6-Trichlorophenol      | 12.84 | 196  | 1503917  | 81.298  | ng/ul | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.92 | 196  | 1589195  | 80.186  | ng/ul | 99       |
| 40) 1,1'-Biphenyl              | 13.25 | 154  | 5466507  | 77.763  | ng/ul | 99       |
| 41) 2-Chloronaphthalene        | 13.29 | 162  | 4334604  | 79.116  | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.50 | 65   | 1168890  | 75.711  | ng/ul | 98       |
| 44) Dimethylphthalate          | 13.87 | 163  | 5456094  | 77.435  | ng/ul | 99       |
| 45) 2,6-Dinitrotoluene         | 14.00 | 165  | 1164236  | 78.083  | ng/ul | 96       |
| 47) Acenaphthylene             | 14.14 | 152  | 6482489  | 75.926  | ng/ul | 100      |
| 48) 3-Nitroaniline             | 14.34 | 138  | 1014388  | 71.436  | ng/ul | 99       |
| 49) Acenaphthene               | 14.48 | 153  | 4600890  | 76.504  | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.54 | 184  | 625818   | 63.047  | ng/ul | 96       |
| 52) 4-Nitrophenol              | 14.66 | 109  | 863553   | 81.269  | ng/ul | 98       |
| 53) Dibenzofuran               | 14.82 | 168  | 6357667  | 76.467  | ng/ul | 100      |
| 54) 2,4-Dinitrotoluene         | 14.79 | 165  | 1690727  | 76.592  | ng/ul | 99       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.04 | 232  | 1373789  | 76.323  | ng/ul | 99       |
| 56) Diethylphthalate           | 15.24 | 149  | 5578406  | 76.485  | ng/ul | 100      |
| 58) Fluorene                   | 15.46 | 166  | 5196098  | 75.215  | ng/ul | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.46 | 204  | 2631071  | 75.601  | ng/ul | 98       |
| 60) 4-Nitroaniline             | 15.51 | 138  | 1168913  | 74.799  | ng/ul | 99       |
| 63) 4,6-Dinitro-2-methylphenol | 15.55 | 198  | 1002352  | 67.403  | ng/ul | 94       |
| 64) N-Nitrosodiphenylamine     | 15.68 | 169  | 4559132  | 72.830  | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.36 | 248  | 1667647  | 73.750  | ng/ul | 94       |
| 66) Hexachlorobenzene          | 16.46 | 284  | 1800579  | 72.302  | ng/ul | 97       |
| 67) Atrazine                   | 16.64 | 200  | 1674623  | 73.175  | ng/ul | 98       |
| 68) Pentachlorophenol          | 16.81 | 266  | 1106331  | 75.023  | ng/ul | 96       |
| 69) Phenanthrene               | 17.21 | 178  | 8337167  | 74.666  | ng/ul | 99       |
| 71) Anthracene                 | 17.30 | 178  | 8509378  | 74.051  | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.20 | 216  | 2225657  | 81.264  | ng/ul | 99       |
| 73) Pentachlorobenzene         | 14.73 | 250  | 2084022  | 73.071  | ng/ul | 97       |
| 74) Carbazole                  | 17.57 | 167  | 7653059  | 73.189  | ng/ul | 99       |
| 75) Di-n-butylphthalate        | 18.13 | 149  | 9449515  | 72.222  | ng/ul | 99       |
| 76) Fluoranthene               | 19.23 | 202  | 9872851  | 76.227  | ng/ul | 99       |
| 79) Pvrene                     | 19.59 | 202  | 9795101  | 81.935  | ng/ul | 99       |
| 80) Butylbenzylphthalate       | 20.49 | 149  | 4493348  | 78.589  | ng/ul | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.27 | 252  | 3484801  | 75.891  | ng/ul | 98       |
| 82) Benzo(a)anthracene         | 21.34 | 228  | 10035356 | 79.353  | ng/ul | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.26 | 149  | 6463081  | 76.897  | ng/ul | 99       |
| 84) Chrysene                   | 21.39 | 228  | 9378362  | 79.473  | ng/ul | 98       |
| 86) Di-n-octyl phthalate       | 22.16 | 149  | 11033523 | 73.499  | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.95 | 252  | 10353185 | 85.074  | ng/ul | 99       |
| 88) Benzo(k)fluoranthene       | 23.00 | 252  | 9524655  | 78.647  | ng/ul | 99       |
| 90) Benzo(a)pyrene             | 23.54 | 252  | 9705512  | 80.856  | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.97 | 276  | 11545003 | 84.757  | ng/ul | 100      |
| 92) Dibenzo(a,h)anthracene     | 25.98 | 278  | 9563796  | 82.634  | ng/ul | 98       |
| 93) Benzo(g,h,i)perylene       | 26.69 | 276  | 9555836  | 84.174  | ng/ul | 99       |

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

