

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062518\  
 Data File : BM015742.D  
 Acq On : 25 Jun 2018 10:15  
 Operator : SJ/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02025

Quant Time: Jun 26 01:19:06 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 22 02:12:20 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.32  | 152  | 76195    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.15 | 136  | 340253   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.94 | 164  | 197625   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.66 | 188  | 452361   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.77 | 240  | 531779   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 24.17 | 264  | 522873   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.53  | 96  | 14025  | 8.94  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.46  | 99  | 117156 | 16.94 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.63  | 67  | 76085  | 18.21 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.84  | 132 | 104306 | 19.72 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 9.03  | 113 | 98767  | 16.57 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.50  | 128 | 46136  | 20.17 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.23 | 143 | 50001  | 20.32 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.76 | 165 | 101462 | 19.91 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.29 | 131 | 131263 | 23.12 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 14.33 | 166 | 310610 | 18.98 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.63 | 160 | 354650 | 20.10 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 15.13 | 143 | 46990  | 14.88 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.92 | 176 | 264349 | 19.09 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 16.05 | 200 | 46023  | 16.89 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.76 | 188 | 417641 | 20.25 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 20.01 | 212 | 473070 | 20.68 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 24.02 | 264 | 525515 | 20.05 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |        |        | Ovalue |     |
|--------------------------------|-------|-----|--------|--------|--------|-----|
| 2) 1,4-Dioxane                 | 3.57  | 88  | 13864  | 8.593  | ng/uL# | 85  |
| 4) Benzaldehyde                | 7.45  | 77  | 80142  | 22.104 | ng/ul  | 88  |
| 6) Phenol                      | 7.49  | 94  | 123017 | 17.120 | ng/ul# | 75  |
| 8) Bis(2-Chloroethyl)ether     | 7.73  | 93  | 95010  | 17.833 | ng/ul# | 85  |
| 10) 2-Chlorophenol             | 7.87  | 128 | 105699 | 19.393 | ng/ul# | 90  |
| 11) 2-Methylphenol             | 8.76  | 108 | 93251  | 16.950 | ng/ul  | 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.83  | 45  | 148436 | 16.651 | ng/ul# | 87  |
| 14) Acetophenone               | 9.16  | 105 | 162875 | 17.469 | ng/ul# | 79  |
| 15) N-Nitroso-di-n-propylamine | 9.13  | 70  | 83018  | 16.828 | ng/ul# | 71  |
| 16) 4-Methylphenol             | 9.09  | 108 | 100739 | 16.425 | ng/ul  | 98  |
| 17) Hexachloroethane           | 9.40  | 117 | 46084  | 21.451 | ng/ul  | 92  |
| 20) Nitrobenzene               | 9.55  | 77  | 132437 | 21.431 | ng/ul# | 86  |
| 21) Isophorone                 | 10.07 | 82  | 215440 | 18.235 | ng/ul  | 100 |
| 23) 2-Nitrophenol              | 10.26 | 139 | 57305  | 20.196 | ng/ul# | 78  |
| 24) 2,4-Dimethylphenol         | 10.30 | 107 | 127446 | 20.302 | ng/ul  | 93  |
| 25) Bis(2-Chloroethoxy)methane | 10.54 | 93  | 129976 | 18.401 | ng/ul  | 97  |
| 27) 2,4-Dichlorophenol         | 10.79 | 162 | 101980 | 20.043 | ng/ul  | 98  |
| 28) Naphthalene                | 11.20 | 128 | 338237 | 19.861 | ng/ul  | 99  |
| 30) 4-Chloroaniline            | 11.31 | 127 | 136785 | 23.225 | ng/ul  | 98  |
| 31) Hexachlorobutadiene        | 11.46 | 225 | 71151  | 22.797 | ng/ul  | 98  |
| 32) Caprolactam                | 12.09 | 113 | 27738  | 14.271 | ng/ul# | 60  |
| 33) 4-Chloro-3-methylphenol    | 12.41 | 107 | 111347 | 18.381 | ng/ul  | 98  |
| 34) 2-Methylnaphthalene        | 12.78 | 142 | 247559 | 18.954 | ng/ul  | 100 |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 22 02:12:20 2018  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.15 | 216  | 123938   | 21.729 | ng/ul  | 97       |
| 37) Hexachlorocyclopentadiene  | 13.11 | 237  | 56185    | 24.347 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 13.39 | 196  | 77824    | 20.821 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 13.46 | 196  | 81275    | 19.721 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.77 | 154  | 319295   | 20.700 | ng/ul  | 100      |
| 41) 2-Chloronaphthalene        | 13.83 | 162  | 249348   | 20.898 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 14.03 | 65   | 73966    | 20.004 | ng/ul# | 76       |
| 44) Dimethylphthalate          | 14.38 | 163  | 316351   | 18.935 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.52 | 165  | 59369    | 19.161 | ng/ul# | 78       |
| 47) Acenaphthylene             | 14.66 | 152  | 369470   | 20.057 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.85 | 138  | 59073    | 18.752 | ng/ul  | 91       |
| 49) Acenaphthene               | 15.00 | 153  | 272269   | 20.027 | ng/ul  | 97       |
| 50) 2,4-Dinitrophenol          | 15.07 | 184  | 35151    | 18.965 | ng/ul# | 1        |
| 52) 4-Nitrophenol              | 15.14 | 109  | 54051    | 19.293 | ng/ul# | 77       |
| 53) Dibenzofuran               | 15.33 | 168  | 381690   | 19.955 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 15.30 | 165  | 91628    | 19.044 | ng/ul# | 63       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.56 | 232  | 70334    | 18.871 | ng/ul# | 95       |
| 56) Diethylphthalate           | 15.73 | 149  | 342035   | 19.478 | ng/ul  | 97       |
| 58) Fluorene                   | 15.97 | 166  | 307682   | 19.235 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.96 | 204  | 154213   | 19.367 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 16.00 | 138  | 55271    | 14.459 | ng/ul# | 76       |
| 63) 4,6-Dinitro-2-methylphenol | 16.06 | 198  | 48423    | 16.630 | ng/ul# | 79       |
| 64) N-Nitrosodiphenylamine     | 16.17 | 169  | 266942   | 20.483 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.84 | 248  | 93980    | 20.441 | ng/ul  | 96       |
| 66) Hexachlorobenzene          | 16.97 | 284  | 105576   | 19.646 | ng/ul  | 97       |
| 67) Atrazine                   | 17.10 | 200  | 100466   | 20.896 | ng/ul  | 96       |
| 68) Pentachlorophenol          | 17.32 | 266  | 50897    | 16.463 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.70 | 178  | 501092   | 20.184 | ng/ul  | 100      |
| 71) Anthracene                 | 17.79 | 178  | 511951   | 20.246 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.75 | 216  | 124147   | 22.756 | ng/uL  | 97       |
| 73) Pentachlorobenzene         | 15.25 | 250  | 122238   | 21.320 | ng/uL  | 98       |
| 74) Carbazole                  | 18.06 | 167  | 446315   | 19.094 | ng/ul  | 97       |
| 75) Di-n-butylphthalate        | 18.58 | 149  | 572485   | 20.352 | ng/ul# | 98       |
| 76) Fluoranthene               | 19.68 | 202  | 588349   | 19.327 | ng/ul  | 98       |
| 79) Pvrene                     | 20.04 | 202  | 614072   | 20.584 | ng/ul  | 97       |
| 80) Butylbenzylphthalate       | 20.89 | 149  | 284051   | 21.319 | ng/ul  | 87       |
| 81) 3,3'-Dichlorobenzidine     | 21.67 | 252  | 182526   | 16.815 | ng/ul  | 98       |
| 82) Benzo(a)anthracene         | 21.75 | 228  | 647489   | 20.082 | ng/ul  | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149  | 420315   | 21.459 | ng/ul  | 96       |
| 84) Chrysene                   | 21.80 | 228  | 608114   | 20.100 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.56 | 149  | 728974   | 22.153 | ng/ul# | 85       |
| 87) Benzo(b)fluoranthene       | 23.44 | 252  | 651426   | 20.961 | ng/ul  | 98       |
| 88) Benzo(k)fluoranthene       | 23.49 | 252  | 608468   | 20.749 | ng/ul  | 98       |
| 90) Benzo(a)pyrene             | 24.07 | 252  | 592972   | 19.970 | ng/ul  | 98       |
| 91) Indeno(1,2,3-cd)pyrene     | 26.66 | 276  | 629446   | 16.922 | ng/ul  | 95       |
| 92) Dibenzo(a,h)anthracene     | 26.66 | 278  | 508814   | 16.211 | ng/ul  | 98       |
| 93) Benzo(g,h,i)perylene       | 27.42 | 276  | 519042   | 16.928 | ng/ul# | 94       |

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

