

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110118\  
 Data File : BM017484.D  
 Acq On : 02 Nov 2018 02:27  
 Operator : MJ/SJ  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02084

Manual Integrations  
 APPROVED

Sohil  
 11/2/2018 4:12:24 PM

Quant Time: Nov 02 04:29:18 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Nov 02 02:41:22 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 251702   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.41 | 136  | 1157833  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.28 | 164  | 710612   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.03 | 188  | 1722361  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.23 | 240  | 2033685  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.44 | 264  | 1924192  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 37115   | 6.79  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 470172  | 20.45 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 276135  | 20.59 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.17  | 132 | 370779  | 20.80 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.35  | 113 | 373442  | 20.54 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.79  | 128 | 183344  | 20.26 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.50  | 143 | 213344  | 21.02 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.04 | 165 | 380204  | 20.17 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.56 | 131 | 344418  | 22.38 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.70 | 166 | 1210603 | 19.87 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.97 | 160 | 1506556 | 20.36 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.50 | 143 | 212808  | 18.69 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.28 | 176 | 1058489 | 20.00 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 211251  | 17.60 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.13 | 188 | 1694261 | 19.87 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.43 | 212 | 1950917 | 20.71 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.30 | 264 | 2120775 | 20.87 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.25  | 88  | 36823   | 6.680  | ng/uL 96  |
| 4) Benzaldehyde                | 6.80  | 77  | 79857   | 18.225 | ng/ul 96  |
| 6) Phenol                      | 6.85  | 94  | 457415  | 20.036 | ng/ul 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.07  | 93  | 350513  | 20.266 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.21  | 128 | 365089  | 20.388 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.08  | 108 | 354233  | 20.602 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.16  | 45  | 493361m | 21.406 | ng/ul     |
| 14) Acetophenone               | 8.46  | 105 | 576508  | 20.581 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.45  | 70  | 291220  | 21.166 | ng/ul 96  |
| 16) 4-Methylphenol             | 8.41  | 108 | 382152  | 20.637 | ng/ul 96  |
| 17) Hexachloroethane           | 8.70  | 117 | 136442  | 19.485 | ng/ul 95  |
| 20) Nitrobenzene               | 8.83  | 77  | 431259  | 20.165 | ng/ul 98  |
| 21) Isophorone                 | 9.36  | 82  | 802345  | 20.667 | ng/ul 98  |
| 23) 2-Nitrophenol              | 9.54  | 139 | 216317  | 20.233 | ng/ul 97  |
| 24) 2,4-Dimethylphenol         | 9.60  | 107 | 425269  | 20.008 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.84  | 93  | 487201  | 19.778 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.06 | 162 | 362173  | 20.056 | ng/ul 99  |
| 28) Naphthalene                | 10.46 | 128 | 1186035 | 19.581 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.58 | 127 | 342970  | 21.803 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.74 | 225 | 224895  | 18.830 | ng/ul 99  |
| 32) Caprolactam                | 11.36 | 113 | 125765  | 20.530 | ng/ul 96  |
| 33) 4-Chloro-3-methylphenol    | 11.72 | 107 | 420169  | 21.158 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.08 | 142 | 891611  | 20.032 | ng/ul 98  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.30 | 142  | 856015   | 20.060 | ng/ul | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.45 | 216  | 465772   | 19.502 | ng/ul | 99       |
| 38) Hexachlorocyclopentadiene  | 12.43 | 237  | 200185   | 13.144 | ng/ul | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.70 | 196  | 307414   | 20.288 | ng/ul | 99       |
| 40) 2,4,5-Trichlorophenol      | 12.77 | 196  | 324406   | 19.893 | ng/ul | 99       |
| 41) 1,1'-Biphenyl              | 13.11 | 154  | 1161318  | 19.754 | ng/ul | 98       |
| 42) 2-Chloronaphthalene        | 13.15 | 162  | 923800   | 20.112 | ng/ul | 98       |
| 43) 2-Nitroaniline             | 13.37 | 65   | 271958   | 21.001 | ng/ul | 96       |
| 45) Dimethylphthalate          | 13.75 | 163  | 1147805  | 19.441 | ng/ul | 100      |
| 46) 2,6-Dinitrotoluene         | 13.87 | 165  | 240946   | 20.334 | ng/ul | 99       |
| 48) Acenaphthylene             | 14.00 | 152  | 1404854  | 20.230 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.20 | 138  | 236093   | 21.137 | ng/ul | 94       |
| 50) Acenaphthene               | 14.34 | 153  | 985607   | 19.822 | ng/ul | 99       |
| 51) 2,4-Dinitrophenol          | 14.42 | 184  | 125216   | 15.905 | ng/ul | 92       |
| 53) 4-Nitrophenol              | 14.52 | 109  | 160230   | 18.562 | ng/ul | 92       |
| 54) Dibenzofuran               | 14.69 | 168  | 1421719  | 20.185 | ng/ul | 99       |
| 55) 2,4-Dinitrotoluene         | 14.66 | 165  | 370678   | 20.968 | ng/ul | 98       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.92 | 232  | 317929   | 21.064 | ng/ul | 97       |
| 57) Diethylphthalate           | 15.12 | 149  | 1178968  | 19.974 | ng/ul | 99       |
| 59) Fluorene                   | 15.34 | 166  | 1153183  | 19.861 | ng/ul | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.34 | 204  | 588979   | 19.824 | ng/ul | 99       |
| 61) 4-Nitroaniline             | 15.37 | 138  | 264271   | 19.732 | ng/ul | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 15.43 | 198  | 219198   | 17.887 | ng/ul | 96       |
| 65) N-Nitrosodiphenylamine     | 15.55 | 169  | 1023893  | 19.783 | ng/ul | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.23 | 248  | 377991   | 19.543 | ng/ul | 98       |
| 67) Hexachlorobenzene          | 16.34 | 284  | 433468   | 19.865 | ng/ul | 95       |
| 68) Atrazine                   | 16.52 | 200  | 365991   | 19.222 | ng/ul | 99       |
| 69) Pentachlorophenol          | 16.69 | 266  | 269988   | 19.813 | ng/ul | 99       |
| 70) Phenanthrene               | 17.08 | 178  | 1936062  | 19.575 | ng/ul | 100      |
| 72) Anthracene                 | 17.17 | 178  | 1992809  | 19.838 | ng/ul | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.07 | 216  | 462231   | 19.034 | ng/uL | 99       |
| 74) Pentachlorobenzene         | 14.60 | 250  | 480504   | 19.233 | ng/uL | 98       |
| 75) Carbazole                  | 17.44 | 167  | 1809098  | 20.596 | ng/ul | 99       |
| 76) Di-n-butylphthalate        | 18.02 | 149  | 2098183  | 20.443 | ng/ul | 100      |
| 77) Fluoranthene               | 19.10 | 202  | 2430045  | 21.435 | ng/ul | 97       |
| 80) Pvrene                     | 19.46 | 202  | 2429562  | 20.573 | ng/ul | 98       |
| 81) Butylbenzylphthalate       | 20.38 | 149  | 1030503  | 21.860 | ng/ul | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.16 | 252  | 813083   | 20.442 | ng/ul | 98       |
| 83) Benzo(a)anthracene         | 21.22 | 228  | 2492152  | 20.025 | ng/ul | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 1578661  | 22.914 | ng/ul | 98       |
| 85) Chrysene                   | 21.27 | 228  | 2345531  | 19.820 | ng/ul | 100      |
| 87) Di-n-octyl phthalate       | 22.03 | 149  | 2651084  | 26.451 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.78 | 252  | 2452778  | 21.777 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.82 | 252  | 2255779  | 20.503 | ng/ul | 99       |
| 91) Benzo(a)pyrene             | 23.34 | 252  | 2250128  | 20.449 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.64 | 276  | 2247833  | 16.790 | ng/ul | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.65 | 278  | 1910763  | 17.091 | ng/ul | 99       |
| 94) Benzo(a,h,i)perylene       | 26.31 | 276  | 1808049  | 15.897 | ng/ul | 99       |

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

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