

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092719\  
 Data File : BM022788.D  
 Acq On : 27 Sep 2019 15:43  
 Operator : JU  
 Sample : SSTD04055  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD04055

Manual Integrations  
 APPROVED

mohammad  
 9/30/2019 8:14:24 AM

Quant Time: Sep 27 17:00:29 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Sep 27 15:30:29 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.81  | 152  | 216237   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.60 | 136  | 976054   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.45 | 164  | 627546   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.19 | 188  | 1313181  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.37 | 240  | 1310886  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.64 | 264  | 1356586  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 84748   | 16.33 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.98  | 99  | 844819  | 42.36 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.15  | 67  | 462782  | 40.48 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.35  | 132 | 687089  | 43.61 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.52  | 113 | 694532  | 42.83 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.97  | 128 | 338935  | 48.13 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.69  | 143 | 380232  | 58.56 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.23 | 165 | 731916  | 44.39 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.74 | 131 | 940124  | 43.16 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.86 | 166 | 2110709 | 41.51 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.14 | 160 | 2506200 | 41.16 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.65 | 143 | 425393  | 48.98 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.44 | 176 | 1805159 | 42.40 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.56 | 200 | 381747  | 63.96 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.29 | 188 | 2794248 | 41.54 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.58 | 212 | 3127891 | 43.00 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.50 | 264 | 3136590 | 43.02 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.30  | 88  | 83240   | 15.942 | ng/uL 100 |
| 4) Benzaldehyde                | 6.95  | 77  | 419371m | 40.262 | ng/ul     |
| 6) Phenol                      | 7.00  | 94  | 884065  | 42.416 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.23  | 93  | 669898  | 42.318 | ng/ul 100 |
| 10) 2-Chlorophenol             | 7.38  | 128 | 730869  | 44.135 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.25  | 108 | 688218  | 42.309 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.35  | 45  | 894164  | 38.407 | ng/ul 100 |
| 14) Acetophenone               | 8.63  | 105 | 1063948 | 42.045 | ng/ul 100 |
| 15) N-Nitroso-di-n-propylamine | 8.63  | 70  | 542945  | 39.722 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.59  | 108 | 756413  | 43.068 | ng/ul 99  |
| 17) Hexachloroethane           | 8.89  | 117 | 276441  | 42.138 | ng/ul 99  |
| 20) Nitrobenzene               | 9.01  | 77  | 773119  | 43.882 | ng/ul 98  |
| 21) Isophorone                 | 9.55  | 82  | 1543444 | 39.095 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.72  | 139 | 429718  | 55.756 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.78  | 107 | 809411  | 41.888 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 10.02 | 93  | 965677  | 41.718 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.25 | 162 | 735222  | 45.170 | ng/ul 99  |
| 28) Naphthalene                | 10.66 | 128 | 2288537 | 42.290 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.76 | 127 | 993646  | 44.417 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.95 | 225 | 434150  | 43.296 | ng/ul 99  |
| 32) Caprolactam                | 11.55 | 113 | 241119m | 39.796 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.89 | 107 | 763443  | 42.504 | ng/ul 100 |
| 34) 2-Methylnaphthalene        | 12.27 | 142 | 1722545 | 42.250 | ng/ul 99  |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.49 | 142  | 1641713  | 42.146 | ng/ul | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.64 | 216  | 908107   | 44.848 | ng/ul | 100      |
| 38) Hexachlorocyclopentadiene  | 12.63 | 237  | 571676   | 45.798 | ng/ul | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.88 | 196  | 614445   | 48.477 | ng/ul | 100      |
| 40) 2,4,5-Trichlorophenol      | 12.95 | 196  | 666905   | 48.519 | ng/ul | 99       |
| 41) 1,1'-Biphenyl              | 13.28 | 154  | 2230963  | 42.692 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 13.32 | 162  | 1711773  | 43.266 | ng/ul | 100      |
| 43) 2-Nitroaniline             | 13.52 | 65   | 470714   | 50.958 | ng/ul | 99       |
| 45) Dimethylphthalate          | 13.91 | 163  | 2169034  | 42.022 | ng/ul | 100      |
| 46) 2,6-Dinitrotoluene         | 14.02 | 165  | 470509   | 55.987 | ng/ul | 100      |
| 48) Acenaphthylene             | 14.17 | 152  | 2671617  | 42.300 | ng/ul | 100      |
| 49) 3-Nitroaniline             | 14.35 | 138  | 449148   | 49.288 | ng/ul | 96       |
| 50) Acenaphthene               | 14.52 | 153  | 1837483  | 41.987 | ng/ul | 100      |
| 51) 2,4-Dinitrophenol          | 14.55 | 184  | 280801   | 72.838 | ng/ul | 98       |
| 53) 4-Nitrophenol              | 14.66 | 109  | 310348   | 44.467 | ng/ul | 100      |
| 54) Dibenzofuran               | 14.85 | 168  | 2608891  | 42.954 | ng/ul | 99       |
| 55) 2,4-Dinitrotoluene         | 14.81 | 165  | 674005   | 54.752 | ng/ul | 98       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.07 | 232  | 588652   | 51.555 | ng/ul | 99       |
| 57) Diethylphthalate           | 15.27 | 149  | 2200176  | 41.198 | ng/ul | 99       |
| 59) Fluorene                   | 15.50 | 166  | 2129399  | 42.615 | ng/ul | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.49 | 204  | 1073043  | 43.392 | ng/ul | 98       |
| 61) 4-Nitroaniline             | 15.52 | 138  | 480377   | 46.260 | ng/ul | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.57 | 198  | 426649   | 61.773 | ng/ul | 96       |
| 65) N-Nitrosodiphenylamine     | 15.70 | 169  | 1876149  | 41.867 | ng/ul | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.38 | 248  | 700135   | 42.672 | ng/ul | 99       |
| 67) Hexachlorobenzene          | 16.50 | 284  | 769089   | 42.536 | ng/ul | 97       |
| 68) Atrazine                   | 16.66 | 200  | 698376   | 40.539 | ng/ul | 98       |
| 69) Pentachlorophenol          | 16.84 | 266  | 507561   | 50.877 | ng/ul | 98       |
| 70) Phenanthrene               | 17.23 | 178  | 3399556  | 42.280 | ng/ul | 99       |
| 72) Anthracene                 | 17.32 | 178  | 3475031  | 42.074 | ng/ul | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.25 | 216  | 901842   | 44.114 | ng/ul | 98       |
| 74) Pentachlorobenzene         | 14.77 | 250  | 894297   | 43.395 | ng/ul | 99       |
| 75) Carbazole                  | 17.59 | 167  | 3160428  | 42.574 | ng/ul | 99       |
| 76) Di-n-butylphthalate        | 18.16 | 149  | 3741031  | 39.792 | ng/ul | 100      |
| 77) Fluoranthene               | 19.24 | 202  | 4007270  | 43.916 | ng/ul | 100      |
| 80) Pvrene                     | 19.61 | 202  | 4100016  | 43.218 | ng/ul | 99       |
| 81) Butylbenzylphthalate       | 20.51 | 149  | 1775338  | 44.385 | ng/ul | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.29 | 252  | 1501093  | 45.029 | ng/ul | 100      |
| 83) Benzo(a)anthracene         | 21.35 | 228  | 4139102  | 42.564 | ng/ul | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 2536865  | 41.797 | ng/ul | 98       |
| 85) Chrysene                   | 21.40 | 228  | 3810803  | 42.586 | ng/ul | 99       |
| 87) Di-n-octyl phthalate       | 22.17 | 149  | 4296086  | 44.238 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.96 | 252  | 4011652  | 44.949 | ng/ul | 100      |
| 89) Benzo(k)fluoranthene       | 23.00 | 252  | 3817047  | 44.011 | ng/ul | 99       |
| 91) Benzo(a)pyrene             | 23.54 | 252  | 3717459  | 43.655 | ng/ul | 100      |
| 92) Indeno(1,2,3-cd)pyrene     | 25.95 | 276  | 3810497  | 38.734 | ng/ul | 98       |
| 93) Dibenzo(a,h)anthracene     | 25.96 | 278  | 3179815  | 38.843 | ng/ul | 99       |
| 94) Benzo(a,h,i)perylene       | 26.66 | 276  | 3022749  | 37.405 | ng/ul | 99       |

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

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