

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\  
 Data File : BM024174.D  
 Acq On : 19 Dec 2019 04:09  
 Operator : JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02010

Manual Integrations  
 APPROVED

mohammad  
 12/19/2019 11:16:20 AM

Quant Time: Dec 19 05:58:49 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 19 02:44:00 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.45  | 152  | 482705   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.22 | 136  | 2174808  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.11 | 164  | 1359454  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.86 | 188  | 2796224  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.07 | 240  | 2115120  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.20 | 264  | 1967810  | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.00  | 96  | 81979   | 7.50  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.65  | 99  | 840540  | 18.39 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.80  | 67  | 502717  | 18.34 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 6.99  | 132 | 639859  | 19.63 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.17  | 113 | 686520  | 18.37 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.60  | 128 | 321328  | 20.56 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.32  | 143 | 363458  | 21.15 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.85  | 165 | 678936  | 20.33 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.36 | 131 | 796284  | 19.63 | ng/ul | -0.01 |
| 44) Dimethylphthalate-d6       | 13.53 | 166 | 1903419 | 18.93 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.80 | 160 | 2441889 | 20.27 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.35 | 143 | 317945  | 17.62 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.11 | 176 | 1659474 | 18.83 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.26 | 200 | 276327  | 16.20 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 16.96 | 188 | 2473950 | 19.44 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.27 | 212 | 2466928 | 24.48 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.07 | 264 | 1919097 | 19.63 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.03  | 88  | 84237   | 6.960  | ng/uL 89  |
| 4) Benzaldehyde                | 6.60  | 77  | 587273  | 19.876 | ng/ul 97  |
| 6) Phenol                      | 6.67  | 94  | 867821  | 18.388 | ng/ul 98  |
| 8) Bis(2-Chloroethyl)ether     | 6.89  | 93  | 684877  | 18.728 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.02  | 128 | 650830  | 19.467 | ng/ul 98  |
| 11) 2-Methylphenol             | 7.90  | 108 | 649454  | 18.508 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 7.98  | 45  | 798576  | 18.960 | ng/ul 99  |
| 14) Acetophenone               | 8.27  | 105 | 1017706 | 18.063 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.26  | 70  | 585175  | 18.800 | ng/ul 100 |
| 16) 4-Methylphenol             | 8.23  | 108 | 717422  | 18.415 | ng/ul 100 |
| 17) Hexachloroethane           | 8.50  | 117 | 270828  | 19.626 | ng/ul 97  |
| 20) Nitrobenzene               | 8.64  | 77  | 846854  | 19.495 | ng/ul 97  |
| 21) Isophorone                 | 9.17  | 82  | 1581111 | 19.474 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.35  | 139 | 387134  | 20.465 | ng/ul 97  |
| 24) 2,4-Dimethylphenol         | 9.42  | 107 | 788813  | 19.331 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.65  | 93  | 961777  | 19.068 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 9.88  | 162 | 647766  | 19.814 | ng/ul 98  |
| 28) Naphthalene                | 10.26 | 128 | 2211347 | 19.404 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.39 | 127 | 802802  | 19.605 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.55 | 225 | 391544  | 19.373 | ng/ul 100 |
| 32) Caprolactam                | 11.19 | 113 | 219320m | 17.754 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.53 | 107 | 747181  | 19.046 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 11.89 | 142 | 1564604 | 19.207 | ng/ul 100 |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.12 | 142  | 1576204  | 18.957 | ng/ul | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.27 | 216  | 752829   | 20.485 | ng/ul | 99       |
| 38) Hexachlorocyclopentadiene  | 12.25 | 237  | 282338   | 17.051 | ng/ul | 98       |
| 39) 2,4,6-Trichlorophenol      | 12.53 | 196  | 514162   | 21.155 | ng/ul | 98       |
| 40) 2,4,5-Trichlorophenol      | 12.60 | 196  | 545657   | 20.826 | ng/ul | 97       |
| 41) 1,1'-Biphenyl              | 12.93 | 154  | 2034602  | 20.050 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 12.97 | 162  | 1608166  | 20.171 | ng/ul | 99       |
| 43) 2-Nitroaniline             | 13.19 | 65   | 474830   | 20.313 | ng/ul | 99       |
| 45) Dimethylphthalate          | 13.58 | 163  | 1940567  | 18.574 | ng/ul | 99       |
| 46) 2,6-Dinitrotoluene         | 13.70 | 165  | 415271   | 20.178 | ng/ul | 97       |
| 48) Acenaphthylene             | 13.83 | 152  | 2565556  | 20.061 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.03 | 138  | 388280   | 19.879 | ng/ul | 97       |
| 50) Acenaphthene               | 14.17 | 153  | 1719791  | 19.558 | ng/ul | 99       |
| 51) 2,4-Dinitrophenol          | 14.26 | 184  | 229729   | 19.864 | ng/ul | 95       |
| 53) 4-Nitrophenol              | 14.37 | 109  | 244675   | 17.000 | ng/ul | 96       |
| 54) Dibenzofuran               | 14.52 | 168  | 2343486  | 19.171 | ng/ul | 98       |
| 55) 2,4-Dinitrotoluene         | 14.50 | 165  | 600766   | 19.330 | ng/ul | 100      |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.75 | 232  | 466213   | 19.683 | ng/ul | 99       |
| 57) Diethylphthalate           | 14.96 | 149  | 1989497  | 18.730 | ng/ul | 100      |
| 59) Fluorene                   | 15.17 | 166  | 1967924  | 19.063 | ng/ul | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.17 | 204  | 944260   | 18.810 | ng/ul | 99       |
| 61) 4-Nitroaniline             | 15.20 | 138  | 407631   | 18.901 | ng/ul | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.27 | 198  | 294826   | 16.182 | ng/ul | 99       |
| 65) N-Nitrosodiphenylamine     | 15.39 | 169  | 1643415  | 20.214 | ng/ul | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.06 | 248  | 601052   | 20.222 | ng/ul | 99       |
| 67) Hexachlorobenzene          | 16.17 | 284  | 727871   | 20.000 | ng/ul | 98       |
| 68) Atrazine                   | 16.36 | 200  | 579203   | 19.165 | ng/ul | 99       |
| 69) Pentachlorophenol          | 16.53 | 266  | 350910   | 18.400 | ng/ul | 98       |
| 70) Phenanthrene               | 16.91 | 178  | 3046946  | 19.464 | ng/ul | 99       |
| 72) Anthracene                 | 17.00 | 178  | 3120672  | 19.829 | ng/ul | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.89 | 216  | 761052   | 21.686 | ng/uL | 99       |
| 74) Pentachlorobenzene         | 14.43 | 250  | 797212   | 20.626 | ng/uL | 97       |
| 75) Carbazole                  | 17.27 | 167  | 2634692  | 19.488 | ng/ul | 99       |
| 76) Di-n-butylphthalate        | 17.86 | 149  | 3332768  | 20.555 | ng/ul | 99       |
| 77) Fluoranthene               | 18.93 | 202  | 3330979  | 19.522 | ng/ul | 99       |
| 80) Pvrene                     | 19.30 | 202  | 3373158  | 24.428 | ng/ul | 99       |
| 81) Butylbenzylphthalate       | 20.23 | 149  | 1470427  | 27.030 | ng/ul | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.00 | 252  | 978063   | 20.830 | ng/ul | 100      |
| 83) Benzo(a)anthracene         | 21.06 | 228  | 2659884  | 19.738 | ng/ul | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.02 | 149  | 2120744  | 26.160 | ng/ul | 99       |
| 85) Chrysene                   | 21.11 | 228  | 2554057  | 19.336 | ng/ul | 99       |
| 87) Di-n-octyl phthalate       | 21.87 | 149  | 3257102  | 30.635 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.57 | 252  | 2405012  | 20.426 | ng/ul | 98       |
| 89) Benzo(k)fluoranthene       | 22.62 | 252  | 2270938  | 19.657 | ng/ul | 100      |
| 91) Benzo(a)pyrene             | 23.12 | 252  | 2103874  | 19.752 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.31 | 276  | 2622814  | 20.507 | ng/ul | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.32 | 278  | 2190644  | 20.429 | ng/ul | 99       |
| 94) Benzo(a,h,i)perylene       | 25.95 | 276  | 2180864  | 20.884 | ng/ul | 100      |

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| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

