

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052820\  
 Data File : BM026169.D  
 Acq On : 28 May 2020 23:33  
 Operator : MA/SJ  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02083

Manual Integrations  
 APPROVED

mohammad

5/29/2020 10:30:10 PM

Quant Time: May 29 02:45:40 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 28 11:12:05 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.48  | 152  | 184504   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.24 | 136  | 773671   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.12 | 164  | 464137   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.87 | 188  | 975535   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.07 | 240  | 992122   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.19 | 264  | 1020285  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.06  | 96  | 34716  | 5.68  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.67  | 99  | 314573 | 18.79 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.83  | 67  | 205833 | 17.78 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.02  | 132 | 237484 | 18.13 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.20  | 113 | 242834 | 19.25 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.62  | 128 | 116223 | 18.43 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.34  | 143 | 120906 | 19.38 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.87  | 165 | 231906 | 18.51 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.39 | 131 | 297302 | 23.40 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.55 | 166 | 643980 | 17.30 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.81 | 160 | 792236 | 17.97 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.35 | 143 | 116041 | 17.61 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.13 | 176 | 562919 | 17.39 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.26 | 200 | 102951 | 18.10 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.97 | 188 | 849541 | 17.67 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.27 | 212 | 932973 | 18.31 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.06 | 264 | 968969 | 17.84 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.09  | 88  | 38268  | 6.022  | ng/uL 91  |
| 4) Benzaldehyde                | 6.63  | 77  | 213733 | 19.623 | ng/ul 94  |
| 6) Phenol                      | 6.70  | 94  | 343822 | 18.325 | ng/ul 97  |
| 8) Bis(2-Chloroethyl)ether     | 6.92  | 93  | 261831 | 18.137 | ng/ul 97  |
| 10) 2-Chlorophenol             | 7.05  | 128 | 257556 | 18.037 | ng/ul 94  |
| 11) 2-Methylphenol             | 7.93  | 108 | 247685 | 19.160 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.01  | 45  | 453409 | 17.303 | ng/ul 98  |
| 14) Acetophenone               | 8.30  | 105 | 401740 | 18.984 | ng/ul 96  |
| 15) N-Nitroso-di-n-propylamine | 8.29  | 70  | 223257 | 17.904 | ng/ul 93  |
| 16) 4-Methylphenol             | 8.26  | 108 | 268592 | 19.105 | ng/ul 96  |
| 17) Hexachloroethane           | 8.54  | 117 | 105016 | 17.143 | ng/ul 95  |
| 20) Nitrobenzene               | 8.66  | 77  | 324837 | 16.769 | ng/ul 95  |
| 21) Isophorone                 | 9.19  | 82  | 576325 | 17.887 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.37  | 139 | 138753 | 19.132 | ng/ul 90  |
| 24) 2,4-Dimethylphenol         | 9.45  | 107 | 300023 | 17.317 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.67  | 93  | 342428 | 16.851 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 9.90  | 162 | 235411 | 18.119 | ng/ul 97  |
| 28) Naphthalene                | 10.29 | 128 | 814401 | 17.216 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.41 | 127 | 309320 | 23.305 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.59 | 225 | 151055 | 17.328 | ng/ul 96  |
| 32) Caprolactam                | 11.18 | 113 | 74424m | 20.596 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.55 | 107 | 273584 | 18.182 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 11.91 | 142 | 559335 | 17.580 | ng/ul 99  |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 28 11:12:05 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.13 | 142  | 523723   | 17.742 | ng/ul | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.29 | 216  | 287204   | 17.264 | ng/ul | 97       |
| 38) Hexachlorocyclopentadiene  | 12.27 | 237  | 156786   | 16.348 | ng/ul | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.55 | 196  | 183388   | 18.949 | ng/ul | 98       |
| 40) 2,4,5-Trichlorophenol      | 12.62 | 196  | 198329   | 18.570 | ng/ul | 99       |
| 41) 1,1'-Biphenyl              | 12.95 | 154  | 706981   | 17.166 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 12.99 | 162  | 549174   | 17.280 | ng/ul | 97       |
| 43) 2-Nitroaniline             | 13.20 | 65   | 195892   | 18.288 | ng/ul | 94       |
| 45) Dimethylphthalate          | 13.60 | 163  | 665103   | 17.020 | ng/ul | 99       |
| 46) 2,6-Dinitrotoluene         | 13.71 | 165  | 137127   | 19.124 | ng/ul | 96       |
| 48) Acenaphthylene             | 13.84 | 152  | 851000   | 17.578 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.04 | 138  | 140035   | 21.942 | ng/ul | 91       |
| 50) Acenaphthene               | 14.19 | 153  | 589330   | 17.261 | ng/ul | 99       |
| 51) 2,4-Dinitrophenol          | 14.25 | 184  | 66208    | 16.798 | ng/ul | 90       |
| 53) 4-Nitrophenol              | 14.36 | 109  | 97762    | 16.668 | ng/ul | 93       |
| 54) Dibenzofuran               | 14.53 | 168  | 822153   | 17.135 | ng/ul | 98       |
| 55) 2,4-Dinitrotoluene         | 14.50 | 165  | 200386   | 18.857 | ng/ul | 91       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.76 | 232  | 171319   | 19.075 | ng/ul | 99       |
| 57) Diethylphthalate           | 14.97 | 149  | 669567   | 17.328 | ng/ul | 99       |
| 59) Fluorene                   | 15.18 | 166  | 679308   | 17.502 | ng/ul | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.19 | 204  | 338123   | 17.456 | ng/ul | 95       |
| 61) 4-Nitroaniline             | 15.20 | 138  | 154278   | 19.351 | ng/ul | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 15.27 | 198  | 105601   | 17.634 | ng/ul | 90       |
| 65) N-Nitrosodiphenylamine     | 15.40 | 169  | 573106   | 17.529 | ng/ul | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.08 | 248  | 207475   | 18.263 | ng/ul | 95       |
| 67) Hexachlorobenzene          | 16.19 | 284  | 229070   | 17.933 | ng/ul | 94       |
| 68) Atrazine                   | 16.36 | 200  | 199648   | 18.647 | ng/ul | 99       |
| 69) Pentachlorophenol          | 16.53 | 266  | 127198   | 18.081 | ng/ul | 98       |
| 70) Phenanthrene               | 16.92 | 178  | 1051782  | 17.116 | ng/ul | 99       |
| 72) Anthracene                 | 17.00 | 178  | 1074801  | 17.434 | ng/ul | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.91 | 216  | 289024   | 17.737 | ng/uL | 99       |
| 74) Pentachlorobenzene         | 14.45 | 250  | 272045   | 17.598 | ng/uL | 99       |
| 75) Carbazole                  | 17.28 | 167  | 959671   | 18.816 | ng/ul | 99       |
| 76) Di-n-butylphthalate        | 17.87 | 149  | 1115307  | 18.258 | ng/ul | 99       |
| 77) Fluoranthene               | 18.94 | 202  | 1205232  | 18.698 | ng/ul | 99       |
| 80) Pvrene                     | 19.30 | 202  | 1250324  | 17.952 | ng/ul | 98       |
| 81) Butylbenzylphthalate       | 20.23 | 149  | 503550   | 20.425 | ng/ul | 94       |
| 82) 3,3'-Dichlorobenzidine     | 21.00 | 252  | 395925   | 21.792 | ng/ul | 100      |
| 83) Benzo(a)anthracene         | 21.06 | 228  | 1195287  | 17.479 | ng/ul | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.02 | 149  | 744586   | 19.484 | ng/ul | 99       |
| 85) Chrysene                   | 21.11 | 228  | 1159241  | 17.055 | ng/ul | 100      |
| 87) Di-n-octyl phthalate       | 21.87 | 149  | 1268723  | 19.786 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.57 | 252  | 1179409  | 17.090 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.61 | 252  | 1194056  | 17.322 | ng/ul | 99       |
| 91) Benzo(a)pyrene             | 23.10 | 252  | 1062141  | 17.488 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.27 | 276  | 1348976  | 17.114 | ng/ul | 98       |
| 93) Dibenzo(a,h)anthracene     | 25.28 | 278  | 1131772  | 16.956 | ng/ul | 100      |
| 94) Benzo(a,h,i)perylene       | 25.90 | 276  | 1106791  | 16.823 | ng/ul | 98       |

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Response via : Initial Calibration

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

