

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM121219\  
 Data File : BM024061.D  
 Acq On : 12 Dec 2019 16:39  
 Operator : JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02001

Manual Integrations  
 APPROVED

mohammad  
 12/13/2019 2:51:32 PM

Quant Time: Dec 13 01:08:06 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM112719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Dec 07 04:26:57 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.47  | 152  | 369300   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.25 | 136  | 1568863  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.13 | 164  | 967302   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.89 | 188  | 1930844  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.10 | 240  | 1649263  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.23 | 264  | 1864989  | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.03  | 96  | 72211   | 8.70  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.66  | 99  | 633883  | 19.58 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.83  | 67  | 386755  | 20.54 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.01  | 132 | 494497  | 19.77 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.19  | 113 | 502298  | 19.67 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.63  | 128 | 234992  | 19.30 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.35  | 143 | 263982  | 19.07 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.88  | 165 | 503612  | 19.22 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.39 | 131 | 607104  | 21.11 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.56 | 166 | 1455605 | 19.37 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.82 | 160 | 1694158 | 19.23 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.36 | 143 | 226937  | 17.96 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.13 | 176 | 1202289 | 19.01 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.28 | 200 | 206058  | 17.00 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.99 | 188 | 1760739 | 19.09 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.29 | 212 | 1742977 | 20.45 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.10 | 264 | 1881704 | 19.09 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.06  | 88  | 74968   | 8.422  | ng/uL 96  |
| 4) Benzaldehyde                | 6.63  | 77  | 239275  | 14.037 | ng/ul 94  |
| 6) Phenol                      | 6.69  | 94  | 675488  | 20.288 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 6.92  | 93  | 539520  | 20.840 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.05  | 128 | 535022  | 20.901 | ng/ul 99  |
| 11) 2-Methylphenol             | 7.93  | 108 | 505594  | 20.356 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.00  | 45  | 605707  | 21.548 | ng/ul 99  |
| 14) Acetophenone               | 8.30  | 105 | 811062  | 20.774 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.29  | 70  | 452236  | 21.664 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.26  | 108 | 550086  | 20.351 | ng/ul 98  |
| 17) Hexachloroethane           | 8.53  | 117 | 215218  | 20.383 | ng/ul 99  |
| 20) Nitrobenzene               | 8.67  | 77  | 626895  | 21.193 | ng/ul 99  |
| 21) Isophorone                 | 9.20  | 82  | 1179546 | 21.005 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.37  | 139 | 299100  | 20.427 | ng/ul 99  |
| 24) 2,4-Dimethylphenol         | 9.45  | 107 | 609300  | 20.622 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.68  | 93  | 738084  | 20.949 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 9.90  | 162 | 514579  | 20.432 | ng/ul 98  |
| 28) Naphthalene                | 10.29 | 128 | 1698094 | 20.531 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.42 | 127 | 642445  | 21.706 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.58 | 225 | 314539  | 19.779 | ng/ul 95  |
| 32) Caprolactam                | 11.21 | 113 | 147869m | 19.444 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.56 | 107 | 550521  | 20.653 | ng/ul 100 |
| 34) 2-Methylnaphthalene        | 11.92 | 142 | 1228507 | 20.456 | ng/ul 100 |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.15 | 142  | 1164293  | 19.746 | ng/ul | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.30 | 216  | 606086   | 20.088 | ng/ul | 99       |
| 38) Hexachlorocyclopentadiene  | 12.27 | 237  | 260071   | 18.498 | ng/ul | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.55 | 196  | 392571   | 19.973 | ng/ul | 99       |
| 40) 2,4,5-Trichlorophenol      | 12.63 | 196  | 410363   | 19.640 | ng/ul | 100      |
| 41) 1,1'-Biphenyl              | 12.96 | 154  | 1588591  | 20.326 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 12.99 | 162  | 1218996  | 20.384 | ng/ul | 99       |
| 43) 2-Nitroaniline             | 13.22 | 65   | 334055   | 21.491 | ng/ul | 98       |
| 45) Dimethylphthalate          | 13.60 | 163  | 1496629  | 20.342 | ng/ul | 100      |
| 46) 2,6-Dinitrotoluene         | 13.72 | 165  | 297323   | 20.655 | ng/ul | 98       |
| 48) Acenaphthylene             | 13.85 | 152  | 1853434  | 20.808 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.05 | 138  | 265201   | 19.701 | ng/ul | 99       |
| 50) Acenaphthene               | 14.20 | 153  | 1285751  | 20.318 | ng/ul | 99       |
| 51) 2,4-Dinitrophenol          | 14.28 | 184  | 139306   | 18.155 | ng/ul | 99       |
| 53) 4-Nitrophenol              | 14.38 | 109  | 177671   | 19.082 | ng/ul | 99       |
| 54) Dibenzofuran               | 14.54 | 168  | 1821850  | 20.348 | ng/ul | 99       |
| 55) 2,4-Dinitrotoluene         | 14.53 | 165  | 430583   | 20.565 | ng/ul | 94       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.77 | 232  | 357912   | 19.445 | ng/ul | 99       |
| 57) Diethylphthalate           | 14.98 | 149  | 1504305  | 20.433 | ng/ul | 99       |
| 59) Fluorene                   | 15.19 | 166  | 1447070  | 20.040 | ng/ul | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.19 | 204  | 716869   | 19.706 | ng/ul | 97       |
| 61) 4-Nitroaniline             | 15.23 | 138  | 243576   | 16.040 | ng/ul | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 15.29 | 198  | 236692   | 18.183 | ng/ul | 99       |
| 65) N-Nitrosodiphenylamine     | 15.41 | 169  | 1267752  | 20.733 | ng/ul | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.09 | 248  | 465830   | 19.789 | ng/ul | 98       |
| 67) Hexachlorobenzene          | 16.20 | 284  | 537059   | 19.684 | ng/ul | 97       |
| 68) Atrazine                   | 16.37 | 200  | 421317   | 19.655 | ng/ul | 99       |
| 69) Pentachlorophenol          | 16.55 | 266  | 275122   | 17.795 | ng/ul | 96       |
| 70) Phenanthrene               | 16.93 | 178  | 2206629  | 20.230 | ng/ul | 99       |
| 72) Anthracene                 | 17.02 | 178  | 2258840  | 20.397 | ng/ul | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.92 | 216  | 598101   | 20.596 | ng/uL | 99       |
| 74) Pentachlorobenzene         | 14.46 | 250  | 617132   | 19.762 | ng/uL | 98       |
| 75) Carbazole                  | 17.30 | 167  | 1924527  | 20.070 | ng/ul | 99       |
| 76) Di-n-butylphthalate        | 17.87 | 149  | 2373652  | 19.907 | ng/ul | 99       |
| 77) Fluoranthene               | 18.96 | 202  | 2348944  | 20.081 | ng/ul | 99       |
| 80) Pyrene                     | 19.32 | 202  | 2407559  | 21.666 | ng/ul | 99       |
| 81) Butylbenzylphthalate       | 20.25 | 149  | 998052   | 21.141 | ng/ul | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.02 | 252  | 724714   | 17.379 | ng/ul | 100      |
| 83) Benzo(a)anthracene         | 21.08 | 228  | 2238036  | 20.302 | ng/ul | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.03 | 149  | 1436334  | 20.470 | ng/ul | 100      |
| 85) Chrysene                   | 21.13 | 228  | 2105984  | 20.343 | ng/ul | 100      |
| 87) Di-n-octyl phthalate       | 21.89 | 149  | 2324850  | 21.319 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.60 | 252  | 2288117  | 19.839 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.64 | 252  | 2298399  | 20.993 | ng/ul | 98       |
| 91) Benzo(a)pyrene             | 23.14 | 252  | 2207574  | 20.244 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.35 | 276  | 2706521  | 19.987 | ng/ul | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.36 | 278  | 2283698  | 20.078 | ng/ul | 99       |
| 94) Benzo(g,h,i)perylene       | 25.99 | 276  | 2250648  | 19.846 | ng/ul | 98       |

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

