

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082720\  
 Data File : BM027282.D  
 Acq On : 27 Aug 2020 18:36  
 Operator : JU/CG  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02006

Manual Integrations  
 APPROVED

mohammad  
 8/28/2020 1:33:13 PM

Quant Time: Aug 27 19:33:25 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM082520MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 27 16:42:10 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 188579   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.36 | 136  | 753132   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.23 | 164  | 525496   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.98 | 188  | 1200915  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.18 | 240  | 1219645  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.36 | 264  | 963035   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.16  | 96  | 27362   | 8.22  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.78  | 99  | 306904  | 20.07 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.93  | 67  | 206580  | 20.88 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 243479  | 20.67 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.30  | 113 | 247703  | 20.18 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 118625  | 19.66 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 138523  | 19.91 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.99  | 165 | 283547  | 19.97 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.50 | 131 | 312154  | 20.41 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.65 | 166 | 816072  | 19.57 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.92 | 160 | 995019  | 20.18 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.45 | 143 | 139033  | 19.77 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.23 | 176 | 729172  | 20.26 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 131932  | 16.84 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.08 | 188 | 1156290 | 20.29 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.38 | 212 | 1308692 | 18.60 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.22 | 264 | 1100378 | 20.50 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue |     |
|--------------------------------|-------|-----|--------|--------|--------|-----|
| 2) 1,4-Dioxane                 | 3.19  | 88  | 34248  | 8.736  | ng/uL  | 96  |
| 4) Benzaldehyde                | 6.74  | 77  | 241234 | 22.396 | ng/ul  | 97  |
| 6) Phenol                      | 6.80  | 94  | 323326 | 20.223 | ng/ul  | 92  |
| 8) Bis(2-Chloroethyl)ether     | 7.03  | 93  | 261639 | 20.354 | ng/ul  | 99  |
| 10) 2-Chlorophenol             | 7.16  | 128 | 247759 | 20.598 | ng/ul  | 97  |
| 11) 2-Methylphenol             | 8.04  | 108 | 239500 | 20.145 | ng/ul  | 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.12  | 45  | 198985 | 19.994 | ng/ul  | 97  |
| 14) Acetophenone               | 8.41  | 105 | 405320 | 20.608 | ng/ul  | 98  |
| 15) N-Nitroso-di-n-propylamine | 8.40  | 70  | 238279 | 20.121 | ng/ul  | 98  |
| 16) 4-Methylphenol             | 8.36  | 108 | 257754 | 20.219 | ng/ul  | 99  |
| 17) Hexachloroethane           | 8.66  | 117 | 118351 | 20.874 | ng/ul  | 97  |
| 20) Nitrobenzene               | 8.78  | 77  | 368459 | 20.415 | ng/ul  | 98  |
| 21) Isophorone                 | 9.31  | 82  | 616907 | 18.966 | ng/ul  | 99  |
| 23) 2-Nitrophenol              | 9.49  | 139 | 147616 | 19.954 | ng/ul  | 94  |
| 24) 2,4-Dimethylphenol         | 9.56  | 107 | 312473 | 20.075 | ng/ul  | 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.79  | 93  | 358358 | 19.227 | ng/ul  | 99  |
| 27) 2,4-Dichlorophenol         | 10.02 | 162 | 276496 | 20.057 | ng/ul  | 98  |
| 28) Naphthalene                | 10.41 | 128 | 807908 | 20.142 | ng/ul  | 99  |
| 30) 4-Chloroaniline            | 10.52 | 127 | 312466 | 20.390 | ng/ul  | 97  |
| 31) Hexachlorobutadiene        | 10.71 | 225 | 212519 | 20.515 | ng/ul  | 98  |
| 32) Caprolactam                | 11.29 | 113 | 73659m | 17.825 | ng/ul  |     |
| 33) 4-Chloro-3-methylphenol    | 11.66 | 107 | 281821 | 19.552 | ng/ul  | 99  |
| 34) 2-Methylnaphthalene        | 12.03 | 142 | 604904 | 19.854 | ng/ul  | 100 |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.26 | 142  | 596250   | 20.051 | ng/ul | 100      |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.41 | 216  | 385042   | 20.493 | ng/ul | 99       |
| 38) Hexachlorocyclopentadiene  | 12.40 | 237  | 310693   | 24.447 | ng/ul | 98       |
| 39) 2,4,6-Trichlorophenol      | 12.66 | 196  | 239427   | 20.016 | ng/ul | 96       |
| 40) 2,4,5-Trichlorophenol      | 12.73 | 196  | 249370   | 19.617 | ng/ul | 99       |
| 41) 1,1'-Biphenyl              | 13.06 | 154  | 823189   | 19.961 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 13.10 | 162  | 672806   | 20.280 | ng/ul | 99       |
| 43) 2-Nitroaniline             | 13.30 | 65   | 207387   | 20.742 | ng/ul | 98       |
| 45) Dimethylphthalate          | 13.70 | 163  | 845774   | 19.545 | ng/ul | 99       |
| 46) 2,6-Dinitrotoluene         | 13.81 | 165  | 174921   | 19.615 | ng/ul | 93       |
| 48) Acenaphthylene             | 13.95 | 152  | 984241   | 19.971 | ng/ul | 98       |
| 49) 3-Nitroaniline             | 14.13 | 138  | 157606   | 20.730 | ng/ul | 93       |
| 50) Acenaphthene               | 14.30 | 153  | 692389   | 20.053 | ng/ul | 98       |
| 51) 2,4-Dinitrophenol          | 14.35 | 184  | 159054   | 31.059 | ng/ul | 93       |
| 53) 4-Nitrophenol              | 14.46 | 109  | 140790   | 21.117 | ng/ul | 98       |
| 54) Dibenzofuran               | 14.63 | 168  | 999113   | 20.157 | ng/ul | 97       |
| 55) 2,4-Dinitrotoluene         | 14.60 | 165  | 258962   | 20.395 | ng/ul | 99       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.87 | 232  | 228508   | 20.073 | ng/ul | 97       |
| 57) Diethylphthalate           | 15.07 | 149  | 868524   | 20.134 | ng/ul | 99       |
| 59) Fluorene                   | 15.29 | 166  | 852866   | 20.290 | ng/ul | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.29 | 204  | 461028   | 20.073 | ng/ul | 98       |
| 61) 4-Nitroaniline             | 15.30 | 138  | 180069   | 21.409 | ng/ul | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 142330   | 16.738 | ng/ul | 96       |
| 65) N-Nitrosodiphenylamine     | 15.50 | 169  | 712665   | 19.707 | ng/ul | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.18 | 248  | 294416   | 19.555 | ng/ul | 98       |
| 67) Hexachlorobenzene          | 16.29 | 284  | 341095   | 19.846 | ng/ul | 99       |
| 68) Atrazine                   | 16.46 | 200  | 288411   | 19.433 | ng/ul | 98       |
| 69) Pentachlorophenol          | 16.64 | 266  | 187216   | 18.549 | ng/ul | 98       |
| 70) Phenanthrene               | 17.02 | 178  | 1383748  | 20.188 | ng/ul | 99       |
| 72) Anthracene                 | 17.11 | 178  | 1411218  | 20.212 | ng/ul | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.02 | 216  | 367370   | 19.699 | ng/uL | 99       |
| 74) Pentachlorobenzene         | 14.56 | 250  | 376089   | 19.527 | ng/uL | 100      |
| 75) Carbazole                  | 17.38 | 167  | 1197356  | 20.803 | ng/ul | 98       |
| 76) Di-n-butylphthalate        | 17.96 | 149  | 1509157  | 20.490 | ng/ul | 99       |
| 77) Fluoranthene               | 19.04 | 202  | 1707016  | 20.788 | ng/ul | 100      |
| 80) Pvrene                     | 19.41 | 202  | 1744907  | 18.547 | ng/ul | 99       |
| 81) Butylbenzylphthalate       | 20.33 | 149  | 697191   | 19.605 | ng/ul | 95       |
| 82) 3,3'-Dichlorobenzidine     | 21.10 | 252  | 545749   | 19.208 | ng/ul | 98       |
| 83) Benzo(a)anthracene         | 21.16 | 228  | 1641874  | 20.301 | ng/ul | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.12 | 149  | 1034029  | 20.557 | ng/ul | 99       |
| 85) Chrysene                   | 21.22 | 228  | 1550601  | 20.026 | ng/ul | 99       |
| 87) Di-n-octyl phthalate       | 21.99 | 149  | 1713104  | 22.833 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.71 | 252  | 1451750  | 21.146 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.76 | 252  | 1395147  | 21.089 | ng/ul | 100      |
| 91) Benzo(a)pyrene             | 23.27 | 252  | 1242787  | 20.627 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.53 | 276  | 1353165  | 19.495 | ng/ul | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.55 | 278  | 1142618  | 19.403 | ng/ul | 99       |
| 94) Benzo(a,h,i)perylene       | 26.20 | 276  | 1120635  | 19.746 | ng/ul | 99       |

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Misc :  
ALS Vial : 2 Sample Multiplier: 1

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

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