

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040721\  
 Data File : BM029409.D  
 Acq On : 08 Apr 2021 16:21  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02011

Manual Integrations  
 APPROVED

mohammad  
 4/9/2021 11:18:04 AM

Quant Time: Apr 08 16:56:21 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM040721MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Apr 07 13:16:43 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 99459    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.47 | 136  | 416659   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.33 | 164  | 251955   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.07 | 188  | 460478   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.24 | 240  | 380081   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.45 | 264  | 370226   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.19  | 96  | 20116  | 7.72  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.86  | 99  | 180344 | 21.65 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.03  | 67  | 116569 | 21.90 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.22  | 132 | 140444 | 22.30 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.39  | 113 | 139292 | 21.69 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.84  | 128 | 63048  | 21.86 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.56  | 143 | 68502  | 22.61 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.09 | 165 | 134316 | 21.76 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.60 | 131 | 173370 | 23.08 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.74 | 166 | 365467 | 20.25 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.02 | 160 | 484592 | 21.17 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.53 | 143 | 62492  | 18.88 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.32 | 176 | 303748 | 19.92 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 50249  | 19.20 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.16 | 188 | 432868 | 20.68 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.46 | 212 | 415970 | 22.80 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.31 | 264 | 394019 | 20.86 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 2) 1,4-Dioxane                 | 3.22  | 88  | 22105  | 8.085  | ng/uL  | 95 |
| 4) Benzaldehyde                | 6.83  | 77  | 119383 | 25.878 | ng/ul  | 96 |
| 6) Phenol                      | 6.89  | 94  | 188804 | 21.238 | ng/ul  | 99 |
| 8) Bis(2-Chloroethyl)ether     | 7.12  | 93  | 145743 | 21.629 | ng/ul  | 99 |
| 10) 2-Chlorophenol             | 7.26  | 128 | 145296 | 21.512 | ng/ul  | 97 |
| 11) 2-Methylphenol             | 8.13  | 108 | 138028 | 21.878 | ng/ul  | 96 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.22  | 45  | 228327 | 23.041 | ng/ul  | 99 |
| 14) Acetophenone               | 8.51  | 105 | 231471 | 22.046 | ng/ul  | 97 |
| 15) N-Nitroso-di-n-propylamine | 8.50  | 70  | 131752 | 23.530 | ng/ul  | 94 |
| 16) 4-Methylphenol             | 8.46  | 108 | 149515 | 21.735 | ng/ul  | 99 |
| 17) Hexachloroethane           | 8.76  | 117 | 63724  | 21.693 | ng/ul  | 98 |
| 20) Nitrobenzene               | 8.88  | 77  | 191712 | 21.880 | ng/ul  | 99 |
| 21) Isophorone                 | 9.41  | 82  | 333867 | 23.123 | ng/ul  | 99 |
| 23) 2-Nitrophenol              | 9.59  | 139 | 76485  | 22.092 | ng/ul  | 97 |
| 24) 2,4-Dimethylphenol         | 9.65  | 107 | 171180 | 21.485 | ng/ul  | 98 |
| 25) Bis(2-Chloroethoxy)methane | 9.89  | 93  | 196099 | 22.084 | ng/ul  | 98 |
| 27) 2,4-Dichlorophenol         | 10.12 | 162 | 133932 | 21.630 | ng/ul  | 98 |
| 28) Naphthalene                | 10.52 | 128 | 459253 | 21.142 | ng/ul  | 99 |
| 30) 4-Chloroaniline            | 10.63 | 127 | 182916 | 23.392 | ng/ul  | 99 |
| 31) Hexachlorobutadiene        | 10.81 | 225 | 80282  | 20.953 | ng/ul  | 98 |
| 32) Caprolactam                | 11.40 | 113 | 38462m | 21.028 | ng/ul  |    |
| 33) 4-Chloro-3-methylphenol    | 11.76 | 107 | 148088 | 22.690 | ng/ul  | 99 |
| 34) 2-Methylnaphthalene        | 12.13 | 142 | 321691 | 21.468 | ng/ul  | 95 |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.36 | 142  | 310397   | 21.281 | ng/ul | 97       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.51 | 216  | 145455   | 20.142 | ng/ul | 95       |
| 38) Hexachlorocyclopentadiene  | 12.49 | 237  | 91472    | 19.654 | ng/ul | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.75 | 196  | 97772    | 21.551 | ng/ul | 94       |
| 40) 2,4,5-Trichlorophenol      | 12.82 | 196  | 107399   | 21.846 | ng/ul | 99       |
| 41) 1,1'-Biphenyl              | 13.16 | 154  | 408851   | 20.612 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 13.20 | 162  | 313354   | 20.591 | ng/ul | 98       |
| 43) 2-Nitroaniline             | 13.40 | 65   | 105369   | 22.497 | ng/ul | 96       |
| 45) Dimethylphthalate          | 13.79 | 163  | 387618   | 20.894 | ng/ul | 99       |
| 46) 2,6-Dinitrotoluene         | 13.90 | 165  | 73227    | 21.429 | ng/ul | 97       |
| 48) Acenaphthylene             | 14.04 | 152  | 461525   | 20.726 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.23 | 138  | 77876    | 22.137 | ng/ul | 92       |
| 50) Acenaphthene               | 14.39 | 153  | 340227   | 20.511 | ng/ul | 99       |
| 51) 2,4-Dinitrophenol          | 14.44 | 184  | 37702    | 18.386 | ng/ul | 97       |
| 53) 4-Nitrophenol              | 14.54 | 109  | 65563    | 19.726 | ng/ul | 99       |
| 54) Dibenzofuran               | 14.73 | 168  | 457373   | 20.181 | ng/ul | 99       |
| 55) 2,4-Dinitrotoluene         | 14.69 | 165  | 105385   | 20.979 | ng/ul | 95       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.95 | 232  | 83126    | 21.598 | ng/ul | 94       |
| 57) Diethylphthalate           | 15.16 | 149  | 399797   | 21.007 | ng/ul | 99       |
| 59) Fluorene                   | 15.37 | 166  | 382220   | 20.053 | ng/ul | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.37 | 204  | 174706   | 19.555 | ng/ul | 98       |
| 61) 4-Nitroaniline             | 15.39 | 138  | 82276    | 20.547 | ng/ul | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 53200    | 19.518 | ng/ul | 97       |
| 65) N-Nitrosodiphenylamine     | 15.59 | 169  | 322099   | 22.042 | ng/ul | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.26 | 248  | 95749    | 21.771 | ng/ul | 94       |
| 67) Hexachlorobenzene          | 16.37 | 284  | 106839   | 21.459 | ng/ul | 96       |
| 68) Atrazine                   | 16.54 | 200  | 105935   | 20.213 | ng/ul | 95       |
| 69) Pentachlorophenol          | 16.72 | 266  | 61879    | 21.223 | ng/ul | 100      |
| 70) Phenanthrene               | 17.11 | 178  | 558259   | 21.058 | ng/ul | 100      |
| 72) Anthracene                 | 17.20 | 178  | 576155   | 21.177 | ng/ul | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.12 | 216  | 143141   | 21.725 | ng/uL | 98       |
| 74) Pentachlorobenzene         | 14.64 | 250  | 132005   | 21.689 | ng/uL | 97       |
| 75) Carbazole                  | 17.47 | 167  | 502474   | 20.396 | ng/ul | 100      |
| 76) Di-n-butylphthalate        | 18.04 | 149  | 629757   | 22.187 | ng/ul | 100      |
| 77) Fluoranthene               | 19.12 | 202  | 568823   | 18.956 | ng/ul | 99       |
| 80) Pvrene                     | 19.49 | 202  | 593276   | 23.570 | ng/ul | 99       |
| 81) Butylbenzylphthalate       | 20.39 | 149  | 265186   | 26.083 | ng/ul | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.16 | 252  | 176244   | 21.586 | ng/ul | 98       |
| 83) Benzo(a)anthracene         | 21.23 | 228  | 518307   | 21.627 | ng/ul | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 411216   | 24.795 | ng/ul | 99       |
| 85) Chrysene                   | 21.28 | 228  | 505209   | 21.560 | ng/ul | 98       |
| 87) Di-n-octyl phthalate       | 22.04 | 149  | 671651   | 22.996 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.79 | 252  | 527727   | 22.142 | ng/ul | 98       |
| 89) Benzo(k)fluoranthene       | 22.83 | 252  | 488852   | 20.889 | ng/ul | 99       |
| 91) Benzo(a)pyrene             | 23.36 | 252  | 449188   | 21.245 | ng/ul | 98       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.68 | 276  | 578333   | 20.899 | ng/ul | 97       |
| 93) Dibenzo(a,h)anthracene     | 25.69 | 278  | 481585   | 20.712 | ng/ul | 98       |
| 94) Benzo(a,h,i)perylene       | 26.36 | 276  | 468374   | 20.840 | ng/ul | 99       |

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

