

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031721\  
 Data File : BM029157.D  
 Acq On : 17 Mar 2021 15:30  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02010

Quant Time: Mar 17 16:01:11 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM022721MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 17 15:12:40 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 6770     | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 25984    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.24 | 164  | 15330    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.99 | 188  | 30703    | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.19 | 240  | 33729    | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.31 | 264  | 35974    | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |       |       |      |
|--------------------------------|-------|-----|-------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.99  | 96  | 1275  | 8.48  | ng/uL | 0.07 |
| 5) Phenol-d5                   | 6.78  | 99  | 9391  | 19.20 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.92  | 67  | 5486  | 19.72 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.11  | 132 | 8655  | 19.79 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.32  | 113 | 7406  | 18.82 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.74  | 128 | 3640  | 19.48 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.46  | 143 | 4098  | 19.59 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.00 | 165 | 7654  | 19.74 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.52 | 131 | 10057 | 22.85 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.67 | 166 | 21408 | 20.31 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.93 | 160 | 27248 | 19.27 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.52 | 143 | 2944  | 16.06 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.24 | 176 | 17635 | 19.18 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 3187  | 17.41 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.09 | 188 | 27464 | 19.68 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.39 | 212 | 30137 | 18.18 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.17 | 264 | 36060 | 19.73 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |       |        | Ovalue    |
|--------------------------------|-------|-----|-------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.03  | 88  | 1330  | 8.777  | ng/uL# 89 |
| 4) Benzaldehyde                | 6.73  | 77  | 6015  | 24.738 | ng/ul 99  |
| 6) Phenol                      | 6.80  | 94  | 9806  | 19.311 | ng/ul 95  |
| 8) Bis(2-Chloroethyl)ether     | 7.01  | 93  | 7825  | 19.885 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.14  | 128 | 8684  | 19.424 | ng/ul 94  |
| 11) 2-Methylphenol             | 8.05  | 108 | 7268  | 18.964 | ng/ul 92  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.10  | 45  | 14053 | 23.098 | ng/ul# 91 |
| 14) Acetophenone               | 8.40  | 105 | 12483 | 19.474 | ng/ul# 86 |
| 15) N-Nitroso-di-n-propylamine | 8.39  | 70  | 5767  | 20.332 | ng/ul 88  |
| 16) 4-Methylphenol             | 8.38  | 108 | 7899  | 19.373 | ng/ul 96  |
| 17) Hexachloroethane           | 8.62  | 117 | 3828  | 20.028 | ng/ul 87  |
| 20) Nitrobenzene               | 8.79  | 77  | 9185  | 20.931 | ng/ul 95  |
| 21) Isophorone                 | 9.30  | 82  | 15011 | 20.262 | ng/ul 98  |
| 23) 2-Nitrophenol              | 9.49  | 139 | 4678  | 19.906 | ng/ul 95  |
| 24) 2,4-Dimethylphenol         | 9.56  | 107 | 9249  | 20.457 | ng/ul 97  |
| 25) Bis(2-Chloroethoxy)methane | 9.79  | 93  | 9405  | 19.405 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.03 | 162 | 8171  | 21.114 | ng/ul 94  |
| 28) Naphthalene                | 10.40 | 128 | 26043 | 19.646 | ng/ul 97  |
| 30) 4-Chloroaniline            | 10.54 | 127 | 10036 | 22.469 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.67 | 225 | 5076  | 20.115 | ng/ul 91  |
| 32) Caprolactam                | 11.34 | 113 | 1809  | 17.474 | ng/ul 89  |
| 33) 4-Chloro-3-methylphenol    | 11.70 | 107 | 7795  | 19.987 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.03 | 142 | 17756 | 19.598 | ng/ul 99  |

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|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.25 | 142  | 17335    | 19.876 | ng/ul  | 96       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.40 | 216  | 9223     | 19.315 | ng/ul  | 97       |
| 38) Hexachlorocyclopentadiene  | 12.36 | 237  | 3172     | 17.186 | ng/ul  | 94       |
| 39) 2,4,6-Trichlorophenol      | 12.67 | 196  | 5653     | 18.734 | ng/ul  | 95       |
| 40) 2,4,5-Trichlorophenol      | 12.76 | 196  | 5934     | 18.446 | ng/ul  | 96       |
| 41) 1,1'-Biphenyl              | 13.06 | 154  | 22569    | 18.884 | ng/ul  | 97       |
| 42) 2-Chloronaphthalene        | 13.10 | 162  | 17852    | 18.944 | ng/ul  | 96       |
| 43) 2-Nitroaniline             | 13.34 | 65   | 5008     | 20.519 | ng/ul  | 97       |
| 45) Dimethylphthalate          | 13.72 | 163  | 22380    | 20.359 | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene         | 13.85 | 165  | 4323     | 19.969 | ng/ul  | 93       |
| 48) Acenaphthylene             | 13.96 | 152  | 25994    | 19.373 | ng/ul  | 98       |
| 49) 3-Nitroaniline             | 14.19 | 138  | 4348     | 20.643 | ng/ul  | 98       |
| 50) Acenaphthene               | 14.30 | 153  | 18615    | 19.168 | ng/ul  | 97       |
| 51) 2,4-Dinitrophenol          | 14.42 | 184  | 2837     | 23.355 | ng/ul# | 75       |
| 53) 4-Nitrophenol              | 14.54 | 109  | 4121     | 25.321 | ng/ul  | 82       |
| 54) Dibenzofuran               | 14.64 | 168  | 26193    | 19.480 | ng/ul  | 97       |
| 55) 2,4-Dinitrotoluene         | 14.66 | 165  | 6664     | 21.202 | ng/ul# | 98       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.89 | 232  | 4833     | 19.412 | ng/ul# | 92       |
| 57) Diethylphthalate           | 15.09 | 149  | 22876    | 20.584 | ng/ul  | 98       |
| 59) Fluorene                   | 15.30 | 166  | 21586    | 19.578 | ng/ul  | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.30 | 204  | 10689    | 19.640 | ng/ul  | 93       |
| 61) 4-Nitroaniline             | 15.36 | 138  | 4243     | 19.552 | ng/ul# | 84       |
| 64) 4,6-Dinitro-2-methylphenol | 15.43 | 198  | 3246     | 17.474 | ng/ul# | 96       |
| 65) N-Nitrosodiphenylamine     | 15.52 | 169  | 18199    | 19.295 | ng/ul  | 94       |
| 66) 4-Bromophenyl-phenylether  | 16.19 | 248  | 5948     | 19.034 | ng/ul  | 97       |
| 67) Hexachlorobenzene          | 16.30 | 284  | 6709     | 19.117 | ng/ul# | 94       |
| 68) Atrazine                   | 16.48 | 200  | 6657     | 20.059 | ng/ul  | 90       |
| 69) Pentachlorophenol          | 16.66 | 266  | 3648     | 19.357 | ng/ul  | 96       |
| 70) Phenanthrene               | 17.04 | 178  | 32655    | 19.403 | ng/ul  | 99       |
| 72) Anthracene                 | 17.13 | 178  | 33827    | 19.504 | ng/ul  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.03 | 216  | 9228     | 19.156 | ng/uL  | 98       |
| 74) Pentachlorobenzene         | 14.56 | 250  | 8794     | 19.819 | ng/uL  | 92       |
| 75) Carbazole                  | 17.42 | 167  | 30490    | 19.903 | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 17.97 | 149  | 38480    | 20.894 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.06 | 202  | 36970    | 20.147 | ng/ul  | 98       |
| 80) Pvrene                     | 19.42 | 202  | 39046    | 17.672 | ng/ul  | 99       |
| 81) Butylbenzylphthalate       | 20.33 | 149  | 18293    | 19.094 | ng/ul  | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.11 | 252  | 15203    | 22.350 | ng/ul  | 99       |
| 83) Benzo(a)anthracene         | 21.17 | 228  | 41068    | 19.483 | ng/ul  | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.10 | 149  | 28596    | 19.981 | ng/ul  | 96       |
| 85) Chrysene                   | 21.22 | 228  | 39539    | 19.336 | ng/ul  | 100      |
| 87) Di-n-octyl phthalate       | 21.95 | 149  | 51806    | 18.973 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.68 | 252  | 42266    | 18.081 | ng/ul  | 98       |
| 89) Benzo(k)fluoranthene       | 22.72 | 252  | 42764    | 19.604 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 23.22 | 252  | 38433    | 18.929 | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.41 | 276  | 50943    | 19.848 | ng/ul  | 98       |
| 93) Dibenzo(a,h)anthracene     | 25.42 | 278  | 42981    | 19.620 | ng/ul  | 99       |
| 94) Benzo(a,h,i)perylene       | 26.06 | 276  | 42057    | 19.617 | ng/ul  | 96       |

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

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