

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092520\  
 Data File : BM027519.D  
 Acq On : 25 Sep 2020 08:54  
 Operator : JU/CG  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02010

Quant Time: Sep 25 10:46:19 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 24 20:21:51 2020  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|--------|------|----------|-------|-------|----------|
| -----                     |        |      |          |       |       |          |
| Internal Standards        |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 7.810  | 152  | 78913    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.598 | 136  | 295190   | 20.00 | ng/ul | # 0.00   |
| 36) Acenaphthene-d10      | 14.439 | 164  | 222908   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.180 | 188  | 505617   | 20.00 | ng/ul | # 0.00   |
| 78) Chrysene-d12          | 21.362 | 240  | 500120   | 20.00 | ng/ul | # 0.00   |
| 86) Perylene-d12          | 23.633 | 264  | 519733   | 20.00 | ng/ul | 0.00     |

|                               |        |     |        |       |       |      |
|-------------------------------|--------|-----|--------|-------|-------|------|
| System Monitoring Compounds   |        |     |        |       |       |      |
| 3) 1,4-Dioxane-d8             | 3.310  | 96  | 12615  | 9.10  | ng/uL | 0.00 |
| 5) Phenol-d5                  | 6.969  | 99  | 102886 | 20.00 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)eth...  | 7.139  | 67  | 61304  | 20.27 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4          | 7.339  | 132 | 86607  | 19.45 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8         | 8.504  | 113 | 87110  | 20.20 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5           | 8.957  | 128 | 42612  | 19.58 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4          | 9.680  | 143 | 42264  | 18.54 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3     | 10.210 | 165 | 116952 | 20.11 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4        | 10.727 | 131 | 117342 | 20.36 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6      | 13.851 | 166 | 326437 | 18.93 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8         | 14.133 | 160 | 401396 | 19.43 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4          | 14.621 | 143 | 43498  | 18.00 | ng/ul | 0.00 |
| 58) Fluorene-d10              | 15.433 | 176 | 304680 | 19.64 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylph... | 15.545 | 200 | 46366  | 16.94 | ng/ul | 0.00 |
| 71) Anthracene-d10            | 17.280 | 188 | 467024 | 19.58 | ng/ul | 0.00 |
| 79) Pyrene-d10                | 19.568 | 212 | 508295 | 19.48 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12        | 23.485 | 264 | 515994 | 18.69 | ng/ul | 0.00 |

|                               |        |     |        |        |        |     |
|-------------------------------|--------|-----|--------|--------|--------|-----|
| Target Compounds              |        |     |        | Qvalue |        |     |
| 2) 1,4-Dioxane                | 3.346  | 88  | 12919  | 7.90   | ng/uL  | 97  |
| 4) Benzaldehyde               | 6.951  | 77  | 75678  | 21.69  | ng/ul  | 89  |
| 6) Phenol                     | 6.992  | 94  | 111337 | 21.03  | ng/ul  | 93  |
| 8) Bis(2-Chloroethyl)ether    | 7.234  | 93  | 85834  | 20.31  | ng/ul  | 91  |
| 10) 2-Chlorophenol            | 7.375  | 128 | 94061  | 20.57  | ng/ul# | 89  |
| 11) 2-Methylphenol            | 8.239  | 108 | 86424  | 20.69  | ng/ul  | 97  |
| 12) 2,2'-oxybis(1-Chloropr... | 8.339  | 45  | 68058  | 20.72  | ng/ul  | 94  |
| 14) Acetophenone              | 8.622  | 105 | 150190 | 21.44  | ng/ul  | 97  |
| 15) N-Nitroso-di-n-propyla... | 8.610  | 70  | 76338  | 21.83  | ng/ul# | 89  |
| 16) 4-Methylphenol            | 8.569  | 108 | 91494  | 20.60  | ng/ul  | 100 |
| 17) Hexachloroethane          | 8.886  | 117 | 42609  | 19.51  | ng/ul# | 60  |
| 20) Nitrobenzene              | 8.998  | 77  | 117019 | 19.65  | ng/ul# | 90  |
| 21) Isophorone                | 9.528  | 82  | 204757 | 19.98  | ng/ul  | 94  |
| 23) 2-Nitrophenol             | 9.710  | 139 | 49514  | 19.78  | ng/ul  | 91  |
| 24) 2,4-Dimethylphenol        | 9.769  | 107 | 116966 | 21.04  | ng/ul  | 95  |
| 25) Bis(2-Chloroethoxy)met... | 10.010 | 93  | 117166 | 19.96  | ng/ul  | 97  |
| 27) 2,4-Dichlorophenol        | 10.239 | 162 | 115899 | 20.52  | ng/ul  | 92  |
| 28) Naphthalene               | 10.645 | 128 | 302656 | 20.08  | ng/ul  | 99  |
| 30) 4-Chloroaniline           | 10.751 | 127 | 120809 | 21.30  | ng/ul  | 99  |
| 31) Hexachlorobutadiene       | 10.939 | 225 | 111097 | 19.42  | ng/ul  | 97  |
| 32) Caprolactam               | 11.498 | 113 | 22454  | 19.02  | ng/ul  | 87  |
| 33) 4-Chloro-3-methylphenol   | 11.869 | 107 | 94392  | 20.28  | ng/ul  | 90  |
| 34) 2-Methylnaphthalene       | 12.257 | 142 | 244451 | 21.35  | ng/ul  | 99  |
| 35) 1-Methylnaphthalene       | 12.480 | 142 | 221401 | 19.77  | ng/ul  | 98  |
| 37) 1,2,4,5-Tetrachloroben... | 12.627 | 216 | 200418 | 19.80  | ng/ul# | 96  |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 38) Hexachlorocyclopentadiene | 12.616 | 237  | 128877   | 19.04 | ng/ul  | 99       |
| 39) 2,4,6-Trichlorophenol     | 12.863 | 196  | 107885   | 19.70 | ng/ul  | 99       |
| 40) 2,4,5-Trichlorophenol     | 12.933 | 196  | 119000   | 20.41 | ng/ul  | 99       |
| 41) 1,1'-Biphenyl             | 13.274 | 154  | 338586   | 19.91 | ng/ul# | 96       |
| 42) 2-Chloronaphthalene       | 13.310 | 162  | 278945   | 19.64 | ng/ul  | 96       |
| 43) 2-Nitroaniline            | 13.510 | 65   | 56490    | 19.82 | ng/ul  | 87       |
| 45) Dimethylphthalate         | 13.898 | 163  | 336172   | 19.10 | ng/ul# | 99       |
| 46) 2,6-Dinitrotoluene        | 14.010 | 165  | 64881    | 19.40 | ng/ul# | 89       |
| 48) Acenaphthylene            | 14.163 | 152  | 391136   | 19.92 | ng/ul  | 98       |
| 49) 3-Nitroaniline            | 14.333 | 138  | 52590    | 19.85 | ng/ul  | 83       |
| 50) Acenaphthene              | 14.504 | 153  | 275414   | 19.74 | ng/ul  | 98       |
| 51) 2,4-Dinitrophenol         | 14.539 | 184  | 31991    | 16.66 | ng/ul# | 69       |
| 53) 4-Nitrophenol             | 14.639 | 109  | 49821    | 18.63 | ng/ul# | 83       |
| 54) Dibenzofuran              | 14.839 | 168  | 421804   | 20.10 | ng/ul  | 96       |
| 55) 2,4-Dinitrotoluene        | 14.798 | 165  | 88579    | 19.40 | ng/ul# | 81       |
| 56) 2,3,4,6-Tetrachlorophenol | 15.062 | 232  | 100350   | 19.77 | ng/ul# | 85       |
| 57) Diethylphthalate          | 15.268 | 149  | 312951   | 19.38 | ng/ul  | 96       |
| 59) Fluorene                  | 15.486 | 166  | 331803   | 19.46 | ng/ul  | 99       |
| 60) 4-Chlorophenyl-phenyle... | 15.486 | 204  | 209777   | 19.57 | ng/ul  | 91       |
| 61) 4-Nitroaniline            | 15.498 | 138  | 53476    | 19.04 | ng/ul  | 92       |
| 64) 4,6-Dinitro-2-methylph... | 15.557 | 198  | 49298    | 16.45 | ng/ul# | 82       |
| 65) N-Nitrosodiphenylamine    | 15.698 | 169  | 286453   | 20.38 | ng/ul  | 97       |
| 66) 4-Bromophenyl-phenylether | 16.380 | 248  | 135137   | 20.06 | ng/ul# | 90       |
| 67) Hexachlorobenzene         | 16.486 | 284  | 148393   | 19.54 | ng/ul  | 95       |
| 68) Atrazine                  | 16.651 | 200  | 114328   | 18.63 | ng/ul  | 96       |
| 69) Pentachlorophenol         | 16.827 | 266  | 75063    | 18.09 | ng/ul  | 98       |
| 70) Phenanthrene              | 17.221 | 178  | 533288   | 19.51 | ng/ul  | 100      |
| 72) Anthracene                | 17.315 | 178  | 551642   | 19.86 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachloroben... | 13.233 | 216  | 194212   | 20.83 | ng/uL  | 100      |
| 74) Pentachlorobenzene        | 14.757 | 250  | 182480   | 20.10 | ng/uL  | 97       |
| 75) Carbazole                 | 17.580 | 167  | 435279   | 19.74 | ng/ul  | 99       |
| 76) Di-n-butylphthalate       | 18.156 | 149  | 460916   | 19.33 | ng/ul  | 99       |
| 77) Fluoranthene              | 19.239 | 202  | 645435   | 18.52 | ng/ul# | 92       |
| 80) Pyrene                    | 19.597 | 202  | 658417   | 19.34 | ng/ul# | 92       |
| 81) Butylbenzylphthalate      | 20.509 | 149  | 150909   | 18.99 | ng/ul# | 88       |
| 82) 3,3'-Dichlorobenzidine    | 21.280 | 252  | 207637   | 19.39 | ng/ul# | 97       |
| 83) Benzo(a)anthracene        | 21.344 | 228  | 638683   | 19.19 | ng/ul  | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.291 | 149  | 234155   | 19.16 | ng/ul  | 97       |
| 85) Chrysene                  | 21.397 | 228  | 627968   | 19.51 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate      | 22.186 | 149  | 369685   | 16.26 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene      | 22.950 | 252  | 653164   | 18.97 | ng/ul# | 98       |
| 89) Benzo(k)fluoranthene      | 22.997 | 252  | 618185   | 17.98 | ng/ul# | 98       |
| 91) Benzo(a)pyrene            | 23.533 | 252  | 573037   | 18.01 | ng/ul# | 96       |
| 92) Indeno(1,2,3-cd)pyrene    | 25.926 | 276  | 750513   | 18.78 | ng/ul# | 93       |
| 93) Dibenzo(a,h)anthracene    | 25.944 | 278  | 630505   | 18.75 | ng/ul# | 96       |
| 94) Benzo(g,h,i)perylene      | 26.626 | 276  | 622052   | 18.80 | ng/ul# | 95       |

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

