

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
 Data File : BN009125.D  
 Acq On : 24 Dec 2019 14:43  
 Operator : JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC020

Quant Time: Dec 24 19:13:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN122419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 24 19:11:21 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 436764   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.28 | 136  | 2654845  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.16 | 164  | 1812028  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.91 | 188  | 3551814  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.12 | 240  | 2400523  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.26 | 264  | 2306994  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 65219   | 6.82  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.72  | 99  | 1091445 | 26.29 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.88  | 67  | 681690  | 25.63 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.06  | 132 | 774869  | 26.05 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.24  | 113 | 897690  | 26.78 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.67  | 128 | 411459  | 20.58 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.38  | 143 | 468260  | 20.98 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.92  | 165 | 882272  | 20.94 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.42 | 131 | 1029835 | 20.28 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.58 | 166 | 2597988 | 19.09 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.85 | 160 | 3107288 | 19.47 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.38 | 143 | 432116  | 15.97 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.16 | 176 | 2249502 | 18.98 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.29 | 200 | 389723  | 17.59 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.01 | 188 | 3222883 | 19.51 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.31 | 212 | 3171065 | 25.32 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.12 | 264 | 2291297 | 19.71 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.17  | 88  | 68556   | 6.609  | ng/uL 90  |
| 4) Benzaldehyde                | 6.68  | 77  | 477719  | 18.351 | ng/ul 98  |
| 6) Phenol                      | 6.75  | 94  | 1168228 | 27.205 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 6.96  | 93  | 860707  | 26.067 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.10  | 128 | 801421  | 26.419 | ng/ul 97  |
| 11) 2-Methylphenol             | 7.97  | 108 | 899165  | 27.868 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.06  | 45  | 1952419 | 27.884 | ng/ul 99  |
| 14) Acetophenone               | 8.34  | 105 | 1392054 | 27.101 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.34  | 70  | 795677  | 27.941 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.30  | 108 | 986744  | 27.828 | ng/ul 95  |
| 17) Hexachloroethane           | 8.59  | 117 | 265223  | 20.674 | ng/ul 98  |
| 20) Nitrobenzene               | 8.70  | 77  | 1107172 | 20.387 | ng/ul 98  |
| 21) Isophorone                 | 9.24  | 82  | 2194249 | 20.989 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.41  | 139 | 506220  | 21.188 | ng/ul 99  |
| 24) 2,4-Dimethylphenol         | 9.48  | 107 | 1104938 | 21.564 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.72  | 93  | 1311024 | 20.498 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 9.94  | 162 | 889106  | 21.484 | ng/ul 99  |
| 28) Naphthalene                | 10.33 | 128 | 2840914 | 20.050 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.45 | 127 | 1073978 | 21.062 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.63 | 225 | 504953  | 19.389 | ng/ul 99  |
| 32) Caprolactam                | 11.23 | 113 | 200284  | 12.357 | ng/ul 90  |
| 33) 4-Chloro-3-methylphenol    | 11.59 | 107 | 1050071 | 20.553 | ng/ul 97  |
| 34) 2-Methylnaphthalene        | 11.95 | 142 | 2115016 | 20.705 | ng/ul 93  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.33 | 216  | 1042830  | 20.396 | ng/ul | 94       |
| 37) Hexachlorocyclopentadiene  | 12.31 | 237  | 577876   | 18.393 | ng/ul | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.58 | 196  | 721935   | 21.116 | ng/ul | 96       |
| 39) 2,4,5-Trichlorophenol      | 12.65 | 196  | 756972   | 20.707 | ng/ul | 99       |
| 40) 1,1'-Biphenyl              | 12.99 | 154  | 2756490  | 20.534 | ng/ul | 100      |
| 41) 2-Chloronaphthalene        | 13.02 | 162  | 2125423  | 20.284 | ng/ul | 97       |
| 42) 2-Nitroaniline             | 13.23 | 65   | 813437   | 20.981 | ng/ul | 98       |
| 44) Dimethylphthalate          | 13.63 | 163  | 2636632  | 18.944 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 13.75 | 165  | 572200   | 20.445 | ng/ul | 93       |
| 47) Acenaphthylene             | 13.87 | 152  | 3358303  | 19.608 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.07 | 138  | 510803   | 18.642 | ng/ul | 96       |
| 49) Acenaphthene               | 14.22 | 153  | 2252323  | 19.601 | ng/ul | 98       |
| 50) 2,4-Dinitrophenol          | 14.28 | 184  | 247332   | 14.148 | ng/ul | 97       |
| 52) 4-Nitrophenol              | 14.39 | 109  | 357943   | 16.581 | ng/ul | 96       |
| 53) Dibenzofuran               | 14.56 | 168  | 3162133  | 19.601 | ng/ul | 97       |
| 54) 2,4-Dinitrotoluene         | 14.54 | 165  | 797842   | 19.487 | ng/ul | 95       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.79 | 232  | 655255   | 19.663 | ng/ul | 97       |
| 56) Diethylphthalate           | 15.01 | 149  | 2714812  | 18.058 | ng/ul | 100      |
| 58) Fluorene                   | 15.22 | 166  | 2529248  | 18.762 | ng/ul | 93       |
| 59) 4-Chlorophenyl-phenylether | 15.22 | 204  | 1263008  | 18.693 | ng/ul | 95       |
| 60) 4-Nitroaniline             | 15.24 | 138  | 521185   | 16.009 | ng/ul | 94       |
| 63) 4,6-Dinitro-2-methylphenol | 15.31 | 198  | 422203   | 18.080 | ng/ul | 98       |
| 64) N-Nitrosodiphenylamine     | 15.43 | 169  | 2228892  | 21.811 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.11 | 248  | 770978   | 21.540 | ng/ul | 99       |
| 66) Hexachlorobenzene          | 16.22 | 284  | 827603   | 20.748 | ng/ul | 97       |
| 67) Atrazine                   | 16.40 | 200  | 787175   | 20.235 | ng/ul | 97       |
| 68) Pentachlorophenol          | 16.57 | 266  | 496809   | 19.884 | ng/ul | 89       |
| 69) Phenanthrene               | 16.95 | 178  | 3950172  | 20.171 | ng/ul | 99       |
| 71) Anthracene                 | 17.04 | 178  | 4004334  | 19.874 | ng/ul | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 12.95 | 216  | 1068692  | 23.008 | ng/uL | 95       |
| 73) Pentachlorobenzene         | 14.49 | 250  | 1004156  | 21.872 | ng/uL | 91       |
| 74) Carbazole                  | 17.32 | 167  | 3404747  | 19.556 | ng/ul | 98       |
| 75) Di-n-butylphthalate        | 17.90 | 149  | 4632513  | 20.212 | ng/ul | 100      |
| 76) Fluoranthene               | 18.97 | 202  | 4187960  | 18.516 | ng/ul | 99       |
| 79) Pvrene                     | 19.34 | 202  | 4078687  | 24.498 | ng/ul | 99       |
| 80) Butylbenzylphthalate       | 20.27 | 149  | 1855225  | 25.336 | ng/ul | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.04 | 252  | 897717   | 16.247 | ng/ul | 88       |
| 82) Benzo(a)anthracene         | 21.10 | 228  | 3370329  | 20.778 | ng/ul | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.06 | 149  | 2692328  | 23.988 | ng/ul | 98       |
| 84) Chrysene                   | 21.15 | 228  | 3060165  | 19.632 | ng/ul | 100      |
| 86) Di-n-octyl phthalate       | 21.92 | 149  | 4143351  | 26.729 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.62 | 252  | 2955446  | 20.961 | ng/ul | 100      |
| 88) Benzo(k)fluoranthene       | 22.67 | 252  | 2787519  | 20.243 | ng/ul | 98       |
| 90) Benzo(a)pyrene             | 23.16 | 252  | 2641852  | 20.406 | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.36 | 276  | 3098044  | 19.752 | ng/ul | 100      |
| 92) Dibenzo(a,h)anthracene     | 25.37 | 278  | 2603932  | 19.670 | ng/ul | 97       |
| 93) Benzo(g,h,i)perylene       | 26.00 | 276  | 2592926  | 19.756 | ng/ul | 99       |

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

