

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032219\  
 Data File : BM019315.D  
 Acq On : 22 Mar 2019 16:43  
 Operator : JU/SJ  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SICV58

Quant Time: Mar 22 23:26:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 22 22:31:25 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 122483   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.40 | 136  | 513159   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.27 | 164  | 274870   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.03 | 188  | 597710   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.24 | 240  | 641183   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.47 | 264  | 687904   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 23359  | 7.47  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.80  | 99  | 203290 | 18.64 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.97  | 67  | 130982 | 17.94 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 161934 | 19.59 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.33  | 113 | 160571 | 19.61 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.79  | 128 | 72552  | 19.82 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.50  | 143 | 82996  | 20.37 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 157003 | 20.42 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.56 | 131 | 190490 | 20.63 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.69 | 166 | 459113 | 20.70 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.97 | 160 | 571009 | 20.59 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.52 | 143 | 62874  | 18.08 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.27 | 176 | 395424 | 20.69 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 71519  | 18.09 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.13 | 188 | 579892 | 20.22 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.44 | 212 | 599733 | 20.25 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.32 | 264 | 723734 | 19.85 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.19  | 88  | 27326  | 7.676  | ng/uL# 89 |
| 4) Benzaldehyde                | 6.79  | 77  | 152715 | 19.546 | ng/ul 98  |
| 6) Phenol                      | 6.83  | 94  | 208874 | 18.352 | ng/ul 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.06  | 93  | 164677 | 18.912 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.18  | 128 | 167609 | 19.945 | ng/ul 97  |
| 11) 2-Methylphenol             | 8.07  | 108 | 154379 | 19.449 | ng/ul 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.15  | 45  | 163673 | 19.831 | ng/ul# 85 |
| 14) Acetophenone               | 8.45  | 105 | 255585 | 19.169 | ng/ul 90  |
| 15) N-Nitroso-di-n-propylamine | 8.43  | 70  | 150201 | 20.102 | ng/ul# 86 |
| 16) 4-Methylphenol             | 8.40  | 108 | 172043 | 19.761 | ng/ul 92  |
| 17) Hexachloroethane           | 8.67  | 117 | 69308  | 19.624 | ng/ul# 80 |
| 20) Nitrobenzene               | 8.83  | 77  | 211008 | 19.364 | ng/ul 99  |
| 21) Isophorone                 | 9.35  | 82  | 370680 | 19.829 | ng/ul 98  |
| 23) 2-Nitrophenol              | 9.53  | 139 | 90367  | 20.108 | ng/ul 95  |
| 24) 2,4-Dimethylphenol         | 9.59  | 107 | 197115 | 20.184 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.83  | 93  | 222325 | 19.709 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.06 | 162 | 154588 | 20.350 | ng/ul 96  |
| 28) Naphthalene                | 10.45 | 128 | 535171 | 20.131 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.59 | 127 | 197803 | 20.352 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.71 | 225 | 93107  | 19.429 | ng/ul 96  |
| 32) Caprolactam                | 11.40 | 113 | 42906  | 19.023 | ng/ul# 78 |
| 33) 4-Chloro-3-methylphenol    | 11.71 | 107 | 163858 | 20.011 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.07 | 142 | 366834 | 19.693 | ng/ul 99  |

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|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.29 | 142  | 344600   | 19.593 | ng/ul  | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.45 | 216  | 175940   | 20.115 | ng/ul# | 96       |
| 38) Hexachlorocyclopentadiene  | 12.40 | 237  | 75365    | 16.798 | ng/ul# | 97       |
| 39) 2,4,6-Trichlorophenol      | 12.70 | 196  | 111215   | 20.380 | ng/ul  | 98       |
| 40) 2,4,5-Trichlorophenol      | 12.77 | 196  | 115896   | 19.803 | ng/ul  | 97       |
| 41) 1,1'-Biphenyl              | 13.10 | 154  | 468292   | 20.003 | ng/ul# | 95       |
| 42) 2-Chloronaphthalene        | 13.15 | 162  | 362401   | 20.214 | ng/ul  | 98       |
| 43) 2-Nitroaniline             | 13.38 | 65   | 97595    | 19.822 | ng/ul  | 94       |
| 45) Dimethylphthalate          | 13.75 | 163  | 456360   | 20.508 | ng/ul# | 98       |
| 46) 2,6-Dinitrotoluene         | 13.87 | 165  | 84752    | 20.746 | ng/ul# | 88       |
| 48) Acenaphthylene             | 14.00 | 152  | 560953   | 20.408 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.22 | 138  | 78944    | 19.748 | ng/ul# | 95       |
| 50) Acenaphthene               | 14.34 | 153  | 379675   | 19.613 | ng/ul  | 99       |
| 51) 2,4-Dinitrophenol          | 14.43 | 184  | 37321    | 15.778 | ng/ul# | 72       |
| 53) 4-Nitrophenol              | 14.53 | 109  | 53150    | 19.534 | ng/ul# | 76       |
| 54) Dibenzofuran               | 14.68 | 168  | 550726   | 20.372 | ng/ul  | 99       |
| 55) 2,4-Dinitrotoluene         | 14.67 | 165  | 126867   | 20.972 | ng/ul# | 63       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.91 | 232  | 100934   | 20.474 | ng/ul# | 80       |
| 57) Diethylphthalate           | 15.11 | 149  | 452373   | 20.668 | ng/ul  | 95       |
| 59) Fluorene                   | 15.33 | 166  | 438195   | 20.454 | ng/ul  | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.33 | 204  | 213347   | 19.963 | ng/ul# | 90       |
| 61) 4-Nitroaniline             | 15.39 | 138  | 86254    | 19.767 | ng/ul  | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 15.43 | 198  | 77118    | 18.429 | ng/ul# | 93       |
| 65) N-Nitrosodiphenylamine     | 15.55 | 169  | 374384   | 20.133 | ng/ul  | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.23 | 248  | 127676   | 19.670 | ng/ul  | 96       |
| 67) Hexachlorobenzene          | 16.33 | 284  | 155245   | 19.751 | ng/ul# | 92       |
| 68) Atrazine                   | 16.51 | 200  | 124078   | 19.067 | ng/ul  | 95       |
| 69) Pentachlorophenol          | 16.69 | 266  | 72287    | 17.596 | ng/ul  | 97       |
| 70) Phenanthrene               | 17.07 | 178  | 680015   | 20.066 | ng/ul  | 99       |
| 72) Anthracene                 | 17.17 | 178  | 690626   | 19.975 | ng/ul  | 97       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.06 | 216  | 169121   | 19.516 | ng/uL  | 99       |
| 74) Pentachlorobenzene         | 14.59 | 250  | 173677   | 19.161 | ng/uL  | 97       |
| 75) Carbazole                  | 17.45 | 167  | 600748   | 19.375 | ng/ul  | 98       |
| 76) Di-n-butylphthalate        | 18.00 | 149  | 701452   | 20.409 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.10 | 202  | 743089   | 19.136 | ng/ul# | 87       |
| 80) Pyrene                     | 19.47 | 202  | 778726   | 20.188 | ng/ul# | 83       |
| 81) Butylbenzylphthalate       | 20.38 | 149  | 305349   | 19.992 | ng/ul  | 93       |
| 82) 3,3'-Dichlorobenzidine     | 21.17 | 252  | 280941   | 20.169 | ng/ul# | 98       |
| 83) Benzo(a)anthracene         | 21.23 | 228  | 770095   | 19.955 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.15 | 149  | 444565   | 20.082 | ng/ul  | 96       |
| 85) Chrysene                   | 21.28 | 228  | 733950   | 19.820 | ng/ul  | 98       |
| 87) Di-n-octyl phthalate       | 22.03 | 149  | 786672   | 18.334 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.80 | 252  | 811665   | 19.371 | ng/ul# | 97       |
| 89) Benzo(k)fluoranthene       | 22.84 | 252  | 811267   | 20.161 | ng/ul# | 97       |
| 91) Benzo(a)pyrene             | 23.37 | 252  | 797811   | 19.917 | ng/ul# | 96       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.71 | 276  | 987876   | 19.694 | ng/ul# | 89       |
| 93) Dibenzo(a,h)anthracene     | 25.71 | 278  | 847290   | 19.813 | ng/ul# | 96       |
| 94) Benzo(g,h,i)perylene       | 26.39 | 276  | 828115   | 19.756 | ng/ul# | 94       |

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

