

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031918\  
 Data File : BN000453.D  
 Acq On : 19 Mar 2018 15:10  
 Operator : JU/SJ  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SICV17

Quant Time: Mar 19 15:48:39 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Mar 19 15:48:47 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.42  | 152  | 234948   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.26 | 136  | 966510   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.04 | 164  | 474948   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.77 | 188  | 871328   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.89 | 240  | 678528   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 24.38 | 264  | 670237   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.60  | 96  | 49934  | 7.59  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.55  | 99  | 432673 | 19.74 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.73  | 67  | 251776 | 19.91 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.94  | 132 | 322585 | 19.46 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.13  | 113 | 335415 | 19.65 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.60  | 128 | 151987 | 19.36 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.33 | 143 | 159252 | 19.58 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.87 | 165 | 285107 | 19.56 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.39 | 131 | 358344 | 23.95 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.43 | 166 | 712942 | 19.00 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.74 | 160 | 973009 | 19.66 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.22 | 143 | 128176 | 18.40 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 16.02 | 176 | 600368 | 18.78 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.14 | 200 | 87060  | 17.45 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.87 | 188 | 819164 | 19.56 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.12 | 212 | 753880 | 20.13 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.22 | 264 | 611605 | 19.33 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue |     |
|--------------------------------|-------|-----|--------|--------|--------|-----|
| 2) 1,4-Dioxane                 | 3.64  | 88  | 53463  | 7.548  | ng/uL# | 88  |
| 4) Benzaldehyde                | 7.54  | 77  | 177339 | 19.844 | ng/ul  | 90  |
| 6) Phenol                      | 7.58  | 94  | 445244 | 19.910 | ng/ul  | 91  |
| 8) Bis(2-Chloroethyl)ether     | 7.82  | 93  | 351052 | 19.783 | ng/ul  | 96  |
| 10) 2-Chlorophenol             | 7.98  | 128 | 330218 | 19.514 | ng/ul  | 96  |
| 11) 2-Methylphenol             | 8.86  | 108 | 322497 | 19.663 | ng/ul  | 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.95  | 45  | 383141 | 20.034 | ng/ul# | 93  |
| 14) Acetophenone               | 9.25  | 105 | 512659 | 20.199 | ng/ul  | 96  |
| 15) N-Nitroso-di-n-propylamine | 9.23  | 70  | 255291 | 19.232 | ng/ul  | 93  |
| 16) 4-Methylphenol             | 9.19  | 108 | 343805 | 19.580 | ng/ul  | 97  |
| 17) Hexachloroethane           | 9.52  | 117 | 136767 | 19.371 | ng/ul# | 70  |
| 20) Nitrobenzene               | 9.65  | 77  | 379731 | 19.597 | ng/ul  | 93  |
| 21) Isophorone                 | 10.17 | 82  | 709514 | 19.208 | ng/ul  | 98  |
| 23) 2-Nitrophenol              | 10.37 | 139 | 172406 | 19.713 | ng/ul  | 92  |
| 24) 2,4-Dimethylphenol         | 10.41 | 107 | 371351 | 19.711 | ng/ul  | 97  |
| 25) Bis(2-Chloroethoxy)methane | 10.64 | 93  | 452717 | 19.405 | ng/ul  | 97  |
| 27) 2,4-Dichlorophenol         | 10.90 | 162 | 277321 | 19.602 | ng/ul# | 95  |
| 28) Naphthalene                | 11.31 | 128 | 999619 | 19.695 | ng/ul  | 99  |
| 30) 4-Chloroaniline            | 11.41 | 127 | 362765 | 23.886 | ng/ul  | 98  |
| 31) Hexachlorobutadiene        | 11.58 | 225 | 154342 | 19.687 | ng/ul  | 97  |
| 32) Caprolactam                | 12.15 | 113 | 93302  | 18.040 | ng/ul  | 87  |
| 33) 4-Chloro-3-methylphenol    | 12.51 | 107 | 314102 | 18.885 | ng/ul  | 99  |
| 34) 2-Methylnaphthalene        | 12.90 | 142 | 657022 | 19.389 | ng/ul  | 100 |

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|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 36) 1,2,4,5-Tetrachlorobenzene | 13.25 | 216  | 285427   | 20.004 | ng/ul# | 95       |
| 37) Hexachlorocyclopentadiene  | 13.22 | 237  | 136731   | 18.377 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 13.48 | 196  | 190326   | 19.664 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 13.56 | 196  | 198480   | 19.667 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.88 | 154  | 804342   | 19.894 | ng/ul# | 94       |
| 41) 2-Chloronaphthalene        | 13.93 | 162  | 619131   | 19.865 | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 14.12 | 65   | 182665   | 19.344 | ng/ul  | 95       |
| 44) Dimethylphthalate          | 14.48 | 163  | 704300   | 18.976 | ng/ul# | 98       |
| 45) 2,6-Dinitrotoluene         | 14.61 | 165  | 141944   | 18.978 | ng/ul  | 89       |
| 47) Acenaphthylene             | 14.77 | 152  | 950206   | 19.594 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.94 | 138  | 144829   | 20.056 | ng/ul# | 94       |
| 49) Acenaphthene               | 15.11 | 153  | 646099   | 19.541 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 15.15 | 184  | 53776    | 15.240 | ng/ul# | 77       |
| 52) 4-Nitrophenol              | 15.23 | 109  | 100641   | 18.692 | ng/ul  | 87       |
| 53) Dibenzofuran               | 15.44 | 168  | 873584   | 19.453 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 15.40 | 165  | 197294   | 18.607 | ng/ul  | 96       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.65 | 232  | 143690   | 18.645 | ng/ul# | 94       |
| 56) Diethylphthalate           | 15.82 | 149  | 699506   | 18.465 | ng/ul  | 96       |
| 58) Fluorene                   | 16.08 | 166  | 684395   | 19.178 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 16.06 | 204  | 316423   | 19.189 | ng/ul# | 87       |
| 60) 4-Nitroaniline             | 16.09 | 138  | 131778   | 16.244 | ng/ul  | 89       |
| 63) 4,6-Dinitro-2-methylphenol | 16.15 | 198  | 94537    | 17.945 | ng/ul# | 86       |
| 64) N-Nitrosodiphenylamine     | 16.27 | 169  | 573493   | 19.979 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.95 | 248  | 176893   | 19.917 | ng/ul# | 87       |
| 66) Hexachlorobenzene          | 17.08 | 284  | 182960   | 19.510 | ng/ul# | 84       |
| 67) Atrazine                   | 17.20 | 200  | 176618   | 20.401 | ng/ul  | 95       |
| 68) Pentachlorophenol          | 17.41 | 266  | 87783    | 17.731 | ng/ul  | 96       |
| 69) Phenanthrene               | 17.81 | 178  | 973048   | 19.385 | ng/ul  | 100      |
| 71) Anthracene                 | 17.90 | 178  | 1001207  | 19.452 | ng/ul  | 98       |
| 72) Carbazole                  | 18.16 | 167  | 873412   | 19.788 | ng/ul  | 97       |
| 73) Di-n-butylphthalate        | 18.68 | 149  | 1086296  | 18.098 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.79 | 202  | 970384   | 19.454 | ng/ul# | 79       |
| 77) Pyrene                     | 20.15 | 202  | 982514   | 19.825 | ng/ul# | 79       |
| 78) Butylbenzylphthalate       | 21.00 | 149  | 456610   | 18.549 | ng/ul# | 85       |
| 79) 3,3'-Dichlorobenzidine     | 21.79 | 252  | 282289   | 21.295 | ng/ul# | 95       |
| 80) Benzo(a)anthracene         | 21.88 | 228  | 861456   | 19.055 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.75 | 149  | 646775   | 18.097 | ng/ul# | 96       |
| 82) Chrysene                   | 21.93 | 228  | 795722   | 18.775 | ng/ul  | 100      |
| 84) Di-n-octyl phthalate       | 22.71 | 149  | 1089350  | 19.310 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 23.62 | 252  | 788214   | 18.612 | ng/ul# | 94       |
| 86) Benzo(k)fluoranthene       | 23.67 | 252  | 777124   | 19.007 | ng/ul# | 95       |
| 88) Benzo(a)pyrene             | 24.27 | 252  | 769341   | 19.302 | ng/ul# | 94       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.95 | 276  | 869470   | 20.230 | ng/ul# | 79       |
| 90) Dibenzo(a,h)anthracene     | 26.95 | 278  | 725178   | 20.254 | ng/ul# | 92       |
| 91) Benzo(g,h,i)perylene       | 27.74 | 276  | 726358   | 20.337 | ng/ul# | 85       |
| -----                          |       |      |          |        |        |          |

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

