

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061918\  
 Data File : BN001873.D  
 Acq On : 19 Jun 2018 13:00  
 Operator : JU/SJ  
 Sample : SSTD04084  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD04084

Quant Time: Jun 19 13:31:22 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 19 13:01:30 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 424918   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.49 | 136  | 1923807  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.35 | 164  | 1166816  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.09 | 188  | 2773223  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.30 | 240  | 2992553  | 20.00 | ng/ul | 0.01     |
| 83) Perylene-d12          | 23.54 | 264  | 3047924  | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 154354  | 12.97 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.89  | 99  | 1586669 | 40.02 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.06  | 67  | 969655  | 42.40 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 1263281 | 42.14 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 1270620 | 41.15 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.86  | 128 | 613377  | 39.26 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.58  | 143 | 659214  | 40.73 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 1305828 | 45.01 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.63 | 131 | 1417541 | 47.60 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.76 | 166 | 4001158 | 43.40 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.04 | 160 | 4989019 | 41.02 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.55 | 143 | 796062  | 46.51 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.35 | 176 | 3440703 | 43.80 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 650319  | 40.95 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.19 | 188 | 5364197 | 40.24 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.49 | 212 | 6072754 | 36.76 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.40 | 264 | 6694345 | 46.53 | ng/ul | 0.02 |

## Target Compounds

|                                |       |     |         |               | Qvalue |
|--------------------------------|-------|-----|---------|---------------|--------|
| 2) 1,4-Dioxane                 | 3.30  | 88  | 159374  | 12.441 ng/uL# | 78     |
| 4) Benzaldehyde                | 6.87  | 77  | 1038914 | 64.279 ng/ul  | 90     |
| 6) Phenol                      | 6.92  | 94  | 1614672 | 39.923 ng/ul  | 100    |
| 8) Bis(2-Chloroethyl)ether     | 7.15  | 93  | 1232539 | 38.404 ng/ul  | 94     |
| 10) 2-Chlorophenol             | 7.29  | 128 | 1264428 | 41.315 ng/ul  | 100    |
| 11) 2-Methylphenol             | 8.16  | 108 | 1229116 | 41.438 ng/ul  | 96     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.25  | 45  | 1932798 | 55.880 ng/ul  | 94     |
| 14) Acetophenone               | 8.53  | 105 | 1949497 | 42.471 ng/ul  | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.53  | 70  | 1002612 | 41.762 ng/ul  | 92     |
| 16) 4-Methylphenol             | 8.49  | 108 | 1338695 | 42.156 ng/ul  | 95     |
| 17) Hexachloroethane           | 8.79  | 117 | 490325  | 38.399 ng/ul  | 87     |
| 20) Nitrobenzene               | 8.91  | 77  | 1452762 | 37.666 ng/ul  | 92     |
| 21) Isophorone                 | 9.43  | 82  | 2864543 | 38.960 ng/ul  | 98     |
| 23) 2-Nitrophenol              | 9.61  | 139 | 707950  | 40.667 ng/ul  | 93     |
| 24) 2,4-Dimethylphenol         | 9.68  | 107 | 1485436 | 39.612 ng/ul  | 94     |
| 25) Bis(2-Chloroethoxy)methane | 9.92  | 93  | 1748435 | 37.652 ng/ul  | 97     |
| 27) 2,4-Dichlorophenol         | 10.15 | 162 | 1269901 | 45.095 ng/ul  | 98     |
| 28) Naphthalene                | 10.55 | 128 | 4057830 | 40.166 ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.65 | 127 | 1389958 | 45.980 ng/ul  | 97     |
| 31) Hexachlorobutadiene        | 10.83 | 225 | 756500  | 48.479 ng/ul  | 96     |
| 32) Caprolactam                | 11.42 | 113 | 286682  | 27.848 ng/ul  | 83     |
| 33) 4-Chloro-3-methylphenol    | 11.79 | 107 | 1414969 | 42.741 ng/ul  | 95     |
| 34) 2-Methylnaphthalene        | 12.16 | 142 | 2960148 | 43.887 ng/ul  | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.53 | 216  | 1522929  | 43.445 | ng/ul# | 97       |
| 37) Hexachlorocyclopentadiene  | 12.51 | 237  | 964232   | 52.751 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.77 | 196  | 1046741  | 44.022 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.85 | 196  | 1118585  | 45.116 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.18 | 154  | 3881166  | 39.074 | ng/ul# | 96       |
| 41) 2-Chloronaphthalene        | 13.22 | 162  | 3037993  | 39.677 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.42 | 65   | 948700   | 40.894 | ng/ul  | 98       |
| 44) Dimethylphthalate          | 13.81 | 163  | 3902934  | 42.803 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.93 | 165  | 825608   | 44.932 | ng/ul  | 99       |
| 47) Acenaphthylene             | 14.07 | 152  | 4755242  | 39.914 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.25 | 138  | 780159   | 43.977 | ng/ul  | 95       |
| 49) Acenaphthene               | 14.41 | 153  | 3249432  | 40.004 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.46 | 184  | 402549   | 46.437 | ng/ul# | 88       |
| 52) 4-Nitrophenol              | 14.57 | 109  | 585487   | 44.263 | ng/ul# | 75       |
| 53) Dibenzofuran               | 14.75 | 168  | 4633890  | 42.002 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 14.72 | 165  | 1212084  | 46.530 | ng/ul  | 95       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.97 | 232  | 998503   | 52.740 | ng/ul# | 84       |
| 56) Diethylphthalate           | 15.19 | 149  | 4029121  | 43.291 | ng/ul  | 98       |
| 58) Fluorene                   | 15.40 | 166  | 3660957  | 41.758 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.40 | 204  | 1845461  | 45.555 | ng/ul  | 92       |
| 60) 4-Nitroaniline             | 15.42 | 138  | 973760   | 48.858 | ng/ul  | 90       |
| 63) 4,6-Dinitro-2-methylphenol | 15.48 | 198  | 696425   | 41.534 | ng/ul# | 99       |
| 64) N-Nitrosodiphenylamine     | 15.61 | 169  | 3325213  | 36.397 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.29 | 248  | 1222848  | 43.260 | ng/ul  | 94       |
| 66) Hexachlorobenzene          | 16.40 | 284  | 1364003  | 45.699 | ng/ul# | 90       |
| 67) Atrazine                   | 16.57 | 200  | 1276473  | 46.325 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 16.75 | 266  | 799327   | 50.727 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.14 | 178  | 6185408  | 38.716 | ng/ul  | 99       |
| 71) Anthracene                 | 17.23 | 178  | 6280392  | 38.337 | ng/ul  | 99       |
| 72) Carbazole                  | 17.50 | 167  | 5762360  | 41.019 | ng/ul  | 97       |
| 73) Di-n-butylphthalate        | 18.08 | 149  | 7046533  | 36.885 | ng/ul  | 100      |
| 74) Fluoranthene               | 19.16 | 202  | 7439132  | 46.858 | ng/ul# | 89       |
| 77) Pyrene                     | 19.52 | 202  | 7373887  | 33.736 | ng/ul# | 85       |
| 78) Butylbenzylphthalate       | 20.45 | 149  | 3446851  | 31.748 | ng/ul  | 95       |
| 79) 3,3'-Dichlorobenzidine     | 21.22 | 252  | 2580491  | 44.138 | ng/ul# | 98       |
| 80) Benzo(a)anthracene         | 21.29 | 228  | 7461692  | 37.423 | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 21.24 | 149  | 5020543  | 31.852 | ng/ul  | 99       |
| 82) Chrysene                   | 21.34 | 228  | 7009629  | 37.500 | ng/ul  | 97       |
| 84) Di-n-octyl phthalate       | 22.13 | 149  | 8620182  | 33.601 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 22.87 | 252  | 7554614  | 39.227 | ng/ul# | 94       |
| 86) Benzo(k)fluoranthene       | 22.92 | 252  | 7380313  | 39.695 | ng/ul# | 95       |
| 88) Benzo(a)pyrene             | 23.45 | 252  | 7161777  | 39.512 | ng/ul# | 94       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.79 | 276  | 7717061  | 39.485 | ng/ul# | 88       |
| 90) Dibenzo(a,h)anthracene     | 25.81 | 278  | 6405433  | 39.341 | ng/ul# | 95       |
| 91) Benzo(g,h,i)perylene       | 26.47 | 276  | 6301647  | 38.799 | ng/ul# | 91       |
| -----                          |       |      |          |        |        |          |

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

