

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG082118\  
 Data File : BG036327.D  
 Acq On : 21 Aug 2018 17:26  
 Operator : JU/SJ  
 Sample : SSTD04015  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD04015

Manual Integrations  
 APPROVED

Sohil  
 8/22/2018 6:07:10 PM

Quant Time: Aug 21 18:01:16 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG082118MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 21 17:19:12 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.08  | 152  | 48605    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.89 | 136  | 209551   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.70 | 164  | 131478   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.44 | 188  | 321288   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.71 | 240  | 323264   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.94 | 264  | 333570   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.51  | 96  | 18803  | 14.41 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.22  | 99  | 183394 | 36.74 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.40  | 67  | 124830 | 36.59 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.60  | 132 | 130290 | 47.01 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.77  | 113 | 140427 | 38.61 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.23  | 128 | 51721  | 41.48 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.96  | 143 | 54987  | 45.19 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.49 | 165 | 141804 | 37.80 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.01 | 131 | 170645 | 46.90 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.11 | 166 | 435260 | 38.91 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.39 | 160 | 522047 | 38.69 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.87 | 143 | 69271  | 50.09 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.69 | 176 | 376347 | 36.83 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.80 | 200 | 46759  | 44.13 | ng/ul | 0.01 |
| 71) Anthracene-d10             | 17.54 | 188 | 584378 | 39.29 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.82 | 212 | 672432 | 40.45 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.72 | 264 | 739433 | 41.24 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Qvalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 2) 1,4-Dioxane                 | 3.55  | 88  | 21475  | 13.373 | ng/uL# | 26 |
| 4) Benzaldehyde                | 7.21  | 77  | 133035 | 32.869 | ng/ul  | 97 |
| 6) Phenol                      | 7.25  | 94  | 184375 | 36.496 | ng/ul  | 91 |
| 8) Bis(2-Chloroethyl)ether     | 7.50  | 93  | 137108 | 36.942 | ng/ul# | 85 |
| 10) 2-Chlorophenol             | 7.64  | 128 | 130768 | 47.159 | ng/ul# | 89 |
| 11) 2-Methylphenol             | 8.51  | 108 | 140394 | 38.275 | ng/ul  | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.61  | 45  | 305387 | 66.309 | ng/ul# | 88 |
| 14) Acetophenone               | 8.90  | 105 | 213111 | 35.123 | ng/ul# | 87 |
| 15) N-Nitroso-di-n-propylamine | 8.89  | 70  | 124520 | 31.253 | ng/ul# | 81 |
| 16) 4-Methylphenol             | 8.83  | 108 | 146612 | 38.793 | ng/ul  | 98 |
| 17) Hexachloroethane           | 9.16  | 117 | 51786  | 37.965 | ng/ul  | 93 |
| 20) Nitrobenzene               | 9.28  | 77  | 151636 | 31.462 | ng/ul  | 98 |
| 21) Isophorone                 | 9.80  | 82  | 353371 | 30.206 | ng/ul  | 98 |
| 23) 2-Nitrophenol              | 9.99  | 139 | 62088  | 46.553 | ng/ul  | 99 |
| 24) 2,4-Dimethylphenol         | 10.05 | 107 | 170288 | 32.069 | ng/ul  | 99 |
| 25) Bis(2-Chloroethoxy)methane | 10.29 | 93  | 190555 | 34.259 | ng/ul  | 98 |
| 27) 2,4-Dichlorophenol         | 10.52 | 162 | 132271 | 40.283 | ng/ul  | 95 |
| 28) Naphthalene                | 10.93 | 128 | 425755 | 40.286 | ng/ul  | 96 |
| 30) 4-Chloroaniline            | 11.03 | 127 | 166612 | 45.960 | ng/ul  | 99 |
| 31) Hexachlorobutadiene        | 11.22 | 225 | 94011  | 29.272 | ng/ul  | 98 |
| 32) Caprolactam                | 11.79 | 113 | 55993m | 38.931 | ng/ul  |    |
| 33) 4-Chloro-3-methylphenol    | 12.15 | 107 | 156821 | 34.279 | ng/ul  | 97 |
| 34) 2-Methylnaphthalene        | 12.54 | 142 | 319129 | 39.507 | ng/ul  | 99 |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.75 | 142  | 309193   | 39.457 | ng/ul  | 94       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216  | 178864   | 33.612 | ng/ul# | 96       |
| 38) Hexachlorocyclopentadiene  | 12.88 | 237  | 107659   | 37.552 | ng/ul  | 99       |
| 39) 2,4,6-Trichlorophenol      | 13.13 | 196  | 113505   | 40.684 | ng/ul  | 96       |
| 40) 2,4,5-Trichlorophenol      | 13.20 | 196  | 118015   | 37.953 | ng/ul  | 99       |
| 41) 1,1'-Biphenyl              | 13.54 | 154  | 404954   | 41.460 | ng/ul# | 96       |
| 42) 2-Chloronaphthalene        | 13.58 | 162  | 306115   | 39.876 | ng/ul  | 95       |
| 43) 2-Nitroaniline             | 13.77 | 65   | 89145    | 38.906 | ng/ul  | 84       |
| 45) Dimethylphthalate          | 14.15 | 163  | 419758   | 38.189 | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene         | 14.27 | 165  | 64020    | 42.983 | ng/ul  | 93       |
| 48) Acenaphthylene             | 14.42 | 152  | 486600   | 41.461 | ng/ul  | 98       |
| 49) 3-Nitroaniline             | 14.59 | 138  | 67478    | 47.502 | ng/ul# | 92       |
| 50) Acenaphthene               | 14.76 | 153  | 350239   | 41.609 | ng/ul  | 100      |
| 51) 2,4-Dinitrophenol          | 14.80 | 184  | 28781    | 35.071 | ng/ul# | 90       |
| 53) 4-Nitrophenol              | 14.89 | 109  | 61274    | 30.189 | ng/ul  | 90       |
| 54) Dibenzofuran               | 15.10 | 168  | 478613   | 39.723 | ng/ul  | 100      |
| 55) 2,4-Dinitrotoluene         | 15.05 | 165  | 89860    | 44.425 | ng/ul# | 84       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.32 | 232  | 110140   | 44.145 | ng/ul# | 88       |
| 57) Diethylphthalate           | 15.52 | 149  | 420822   | 38.759 | ng/ul  | 98       |
| 59) Fluorene                   | 15.75 | 166  | 383875   | 36.760 | ng/ul  | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.74 | 204  | 212031   | 33.538 | ng/ul  | 94       |
| 61) 4-Nitroaniline             | 15.76 | 138  | 82295    | 42.238 | ng/ul# | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 15.81 | 198  | 48720    | 42.673 | ng/ul  | 97       |
| 65) N-Nitrosodiphenylamine     | 15.95 | 169  | 354916   | 42.138 | ng/ul  | 96       |
| 66) 4-Bromophenyl-phenylether  | 16.64 | 248  | 140847   | 37.845 | ng/ul  | 95       |
| 67) Hexachlorobenzene          | 16.75 | 284  | 140874   | 35.887 | ng/ul# | 91       |
| 68) Atrazine                   | 16.90 | 200  | 152343   | 41.297 | ng/ul  | 98       |
| 69) Pentachlorophenol          | 17.08 | 266  | 89086    | 45.605 | ng/ul  | 97       |
| 70) Phenanthrene               | 17.49 | 178  | 662684   | 41.284 | ng/ul  | 98       |
| 72) Anthracene                 | 17.58 | 178  | 650282   | 40.417 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.50 | 216  | 197202   | 38.674 | ng/uL  | 96       |
| 74) Pentachlorobenzene         | 15.02 | 250  | 169467   | 37.854 | ng/uL  | 99       |
| 75) Carbazole                  | 17.84 | 167  | 588008   | 44.788 | ng/ul# | 95       |
| 76) Di-n-butylphthalate        | 18.41 | 149  | 724691   | 47.777 | ng/ul# | 99       |
| 77) Fluoranthene               | 19.49 | 202  | 812012   | 38.923 | ng/ul# | 93       |
| 80) Pyrene                     | 19.85 | 202  | 778715   | 38.447 | ng/ul# | 92       |
| 81) Butylbenzylphthalate       | 20.74 | 149  | 327420   | 54.109 | ng/ul  | 88       |
| 82) 3,3'-Dichlorobenzidine     | 21.61 | 252  | 290659   | 42.798 | ng/ul  | 98       |
| 83) Benzo(a)anthracene         | 21.70 | 228  | 808233   | 39.238 | ng/ul  | 97       |
| 84) Bis(2-ethylhexyl)phthalate | 21.63 | 149  | 456279   | 54.107 | ng/ul  | 99       |
| 85) Chrysene                   | 21.76 | 228  | 744411   | 38.797 | ng/ul  | 96       |
| 87) Di-n-octyl phthalate       | 22.85 | 149  | 794177   | 51.786 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 23.92 | 252  | 796716   | 37.728 | ng/ul# | 96       |
| 89) Benzo(k)fluoranthene       | 23.99 | 252  | 768304   | 38.168 | ng/ul# | 98       |
| 91) Benzo(a)pyrene             | 24.79 | 252  | 748103   | 37.827 | ng/ul# | 97       |
| 92) Indeno(1,2,3-cd)pyrene     | 28.62 | 276  | 912414   | 40.273 | ng/ul# | 97       |
| 93) Dibenzo(a,h)anthracene     | 28.69 | 278  | 732743   | 39.229 | ng/ul  | 99       |
| 94) Benzo(g,h,i)perylene       | 29.76 | 276  | 752278   | 40.122 | ng/ul# | 96       |

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

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