

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\  
 Data File : BN009650.D  
 Acq On : 07 Feb 2020 17:25  
 Operator : CG/JU  
 Sample : SSTDC00020  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02061

Quant Time: Feb 07 18:17:29 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 07 15:21:46 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.43  | 152  | 128906   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.18 | 136  | 549443   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.07 | 164  | 339121   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.83 | 188  | 670845   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.04 | 240  | 605892   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.16 | 264  | 645502   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.08  | 96  | 26138  | 8.32  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.63  | 99  | 241157 | 21.45 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.79  | 67  | 159358 | 21.10 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.98  | 132 | 187725 | 22.69 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.15  | 113 | 190960 | 21.33 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.58  | 128 | 87981  | 21.53 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.29  | 143 | 101394 | 22.24 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.82  | 165 | 187572 | 21.96 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.33 | 131 | 192199 | 20.93 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.49 | 166 | 520133 | 21.01 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.76 | 160 | 656337 | 21.94 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.30 | 143 | 92202  | 19.72 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.07 | 176 | 449601 | 20.65 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.22 | 200 | 81442  | 19.44 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 16.92 | 188 | 684788 | 22.46 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.23 | 212 | 698200 | 21.92 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.02 | 264 | 684726 | 21.54 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue |     |
|--------------------------------|-------|-----|--------|--------|--------|-----|
| 2) 1,4-Dioxane                 | 3.10  | 88  | 28476  | 7.945  | ng/uL  | 89  |
| 4) Benzaldehyde                | 6.60  | 77  | 172615 | 22.378 | ng/ul  | 97  |
| 6) Phenol                      | 6.66  | 94  | 257824 | 21.459 | ng/ul  | 96  |
| 8) Bis(2-Chloroethyl)ether     | 6.88  | 93  | 201784 | 21.531 | ng/ul  | 98  |
| 10) 2-Chlorophenol             | 7.00  | 128 | 194496 | 22.653 | ng/ul  | 98  |
| 11) 2-Methylphenol             | 7.88  | 108 | 189716 | 21.369 | ng/ul  | 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 7.97  | 45  | 449567 | 20.051 | ng/ul  | 97  |
| 14) Acetophenone               | 8.25  | 105 | 306636 | 21.404 | ng/ul  | 97  |
| 15) N-Nitroso-di-n-propylamine | 8.24  | 70  | 168065 | 22.153 | ng/ul  | 99  |
| 16) 4-Methylphenol             | 8.21  | 108 | 204335 | 21.004 | ng/ul  | 94  |
| 17) Hexachloroethane           | 8.49  | 117 | 84111  | 21.614 | ng/ul  | 99  |
| 20) Nitrobenzene               | 8.62  | 77  | 253346 | 21.590 | ng/ul  | 95  |
| 21) Isophorone                 | 9.14  | 82  | 454983 | 21.550 | ng/ul  | 98  |
| 23) 2-Nitrophenol              | 9.32  | 139 | 112292 | 22.608 | ng/ul  | 97  |
| 24) 2,4-Dimethylphenol         | 9.39  | 107 | 229379 | 21.265 | ng/ul  | 96  |
| 25) Bis(2-Chloroethoxy)methane | 9.62  | 93  | 274196 | 21.368 | ng/ul  | 98  |
| 27) 2,4-Dichlorophenol         | 9.85  | 162 | 187135 | 21.587 | ng/ul  | 98  |
| 28) Naphthalene                | 10.23 | 128 | 632218 | 21.218 | ng/ul  | 99  |
| 30) 4-Chloroaniline            | 10.35 | 127 | 191681 | 20.209 | ng/ul  | 98  |
| 31) Hexachlorobutadiene        | 10.52 | 225 | 116826 | 21.105 | ng/ul  | 97  |
| 32) Caprolactam                | 11.13 | 113 | 58631  | 20.177 | ng/ul  | 93  |
| 33) 4-Chloro-3-methylphenol    | 11.49 | 107 | 214397 | 21.213 | ng/ul  | 97  |
| 34) 2-Methylnaphthalene        | 11.85 | 142 | 435207 | 20.872 | ng/ul  | 100 |

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 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02061

Quant Time: Feb 07 18:17:29 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 07 15:21:46 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.23 | 216  | 218351   | 22.128 | ng/ul | 94       |
| 37) Hexachlorocyclopentadiene  | 12.21 | 237  | 101563   | 18.911 | ng/ul | 95       |
| 38) 2,4,6-Trichlorophenol      | 12.49 | 196  | 143464   | 22.330 | ng/ul | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.56 | 196  | 152981   | 21.747 | ng/ul | 97       |
| 40) 1,1'-Biphenyl              | 12.89 | 154  | 567694   | 21.501 | ng/ul | 99       |
| 41) 2-Chloronaphthalene        | 12.93 | 162  | 449048   | 21.656 | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.15 | 65   | 163884   | 21.869 | ng/ul | 91       |
| 44) Dimethylphthalate          | 13.55 | 163  | 541606   | 20.615 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 13.66 | 165  | 114265   | 22.275 | ng/ul | 96       |
| 47) Acenaphthylene             | 13.79 | 152  | 714444   | 21.825 | ng/ul | 98       |
| 48) 3-Nitroaniline             | 13.99 | 138  | 100003   | 21.470 | ng/ul | 98       |
| 49) Acenaphthene               | 14.13 | 153  | 472850   | 21.248 | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.22 | 184  | 55271    | 17.459 | ng/ul | 93       |
| 52) 4-Nitrophenol              | 14.32 | 109  | 79529    | 19.012 | ng/ul | 96       |
| 53) Dibenzofuran               | 14.47 | 168  | 654214   | 21.112 | ng/ul | 100      |
| 54) 2,4-Dinitrotoluene         | 14.46 | 165  | 162063   | 21.540 | ng/ul | 92       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.71 | 232  | 123273   | 20.636 | ng/ul | 89       |
| 56) Diethylphthalate           | 14.93 | 149  | 547796   | 20.841 | ng/ul | 98       |
| 58) Fluorene                   | 15.13 | 166  | 533270   | 20.591 | ng/ul | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.13 | 204  | 259442   | 20.624 | ng/ul | 96       |
| 60) 4-Nitroaniline             | 15.16 | 138  | 113632   | 19.162 | ng/ul | 92       |
| 63) 4,6-Dinitro-2-methylphenol | 15.24 | 198  | 90222    | 19.944 | ng/ul | 98       |
| 64) N-Nitrosodiphenylamine     | 15.35 | 169  | 447317   | 22.311 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.03 | 248  | 149505   | 22.617 | ng/ul | 94       |
| 66) Hexachlorobenzene          | 16.14 | 284  | 164129   | 22.650 | ng/ul | 96       |
| 67) Atrazine                   | 16.32 | 200  | 158742   | 21.587 | ng/ul | 96       |
| 68) Pentachlorophenol          | 16.49 | 266  | 89610    | 20.499 | ng/ul | 98       |
| 69) Phenanthrene               | 16.87 | 178  | 829920   | 21.693 | ng/ul | 99       |
| 71) Anthracene                 | 16.96 | 178  | 853700   | 21.992 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 12.85 | 216  | 227220   | 23.162 | ng/uL | 99       |
| 73) Pentachlorobenzene         | 14.40 | 250  | 219093   | 23.139 | ng/uL | 98       |
| 74) Carbazole                  | 17.23 | 167  | 732988   | 21.687 | ng/ul | 99       |
| 75) Di-n-butylphthalate        | 17.82 | 149  | 913186   | 22.042 | ng/ul | 99       |
| 76) Fluoranthene               | 18.90 | 202  | 958468   | 21.951 | ng/ul | 99       |
| 79) Pvrene                     | 19.26 | 202  | 984263   | 22.253 | ng/ul | 98       |
| 80) Butylbenzylphthalate       | 20.19 | 149  | 403423   | 22.766 | ng/ul | 94       |
| 81) 3,3'-Dichlorobenzidine     | 20.97 | 252  | 280065   | 21.600 | ng/ul | 95       |
| 82) Benzo(a)anthracene         | 21.03 | 228  | 892525   | 21.335 | ng/ul | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 20.99 | 149  | 591017   | 22.135 | ng/ul | 100      |
| 84) Chrysene                   | 21.07 | 228  | 904146   | 21.710 | ng/ul | 98       |
| 86) Di-n-octyl phthalate       | 21.84 | 149  | 1037941  | 21.797 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.53 | 252  | 883734   | 21.882 | ng/ul | 100      |
| 88) Benzo(k)fluoranthene       | 22.57 | 252  | 828520   | 20.831 | ng/ul | 98       |
| 90) Benzo(a)pyrene             | 23.06 | 252  | 805813   | 21.535 | ng/ul | 96       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.22 | 276  | 942293   | 21.182 | ng/ul | 98       |
| 92) Dibenzo(a,h)anthracene     | 25.23 | 278  | 803953   | 21.469 | ng/ul | 95       |
| 93) Benzo(g,h,i)perylene       | 25.84 | 276  | 726399   | 19.483 | ng/ul | 95       |

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

