

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\  
 Data File : BN009512.D  
 Acq On : 31 Jan 2020 15:49  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02068

Manual Integrations  
 APPROVED

mohammad  
 2/3/2020 4:08:47 PM

Quant Time: Jan 31 22:45:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 22 15:13:20 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.45  | 152  | 150758   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.20 | 136  | 649711   | 20.00 | ng/ul | -0.01    |
| 35) Acenaphthene-d10      | 14.09 | 164  | 419429   | 20.00 | ng/ul | -0.01    |
| 61) Phenanthrene-d10      | 16.85 | 188  | 881486   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.05 | 240  | 803740   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.17 | 264  | 860118   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.09  | 96  | 28519  | 7.82  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.65  | 99  | 257483 | 19.26 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.81  | 67  | 177195 | 18.67 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 6.99  | 132 | 202420 | 20.74 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.16  | 113 | 206317 | 19.39 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.59  | 128 | 100288 | 21.22 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.30  | 143 | 109573 | 22.11 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 9.84  | 165 | 203098 | 20.67 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.35 | 131 | 250761 | 21.13 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.51 | 166 | 627144 | 20.20 | ng/ul | -0.01 |
| 46) Acenaphthylene-d8          | 13.77 | 160 | 742503 | 20.15 | ng/ul | -0.01 |
| 51) 4-Nitrophenol-d4           | 14.32 | 143 | 117949 | 20.42 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.09 | 176 | 541668 | 19.88 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.23 | 200 | 110839 | 20.76 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 16.94 | 188 | 861250 | 21.12 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.25 | 212 | 922964 | 21.34 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.04 | 264 | 896842 | 20.66 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.12  | 88  | 30744  | 7.577  | ng/uL 88  |
| 4) Benzaldehyde                | 6.62  | 77  | 107588 | 15.332 | ng/ul 94  |
| 6) Phenol                      | 6.68  | 94  | 269661 | 19.253 | ng/ul 97  |
| 8) Bis(2-Chloroethyl)ether     | 6.90  | 93  | 216293 | 19.255 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.03  | 128 | 207968 | 20.480 | ng/ul 95  |
| 11) 2-Methylphenol             | 7.90  | 108 | 199174 | 19.257 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 7.99  | 45  | 499297 | 16.918 | ng/ul 99  |
| 14) Acetophenone               | 8.27  | 105 | 329595 | 19.172 | ng/ul 97  |
| 15) N-Nitroso-di-n-propylamine | 8.26  | 70  | 179370 | 19.213 | ng/ul 94  |
| 16) 4-Methylphenol             | 8.23  | 108 | 221779 | 19.580 | ng/ul 96  |
| 17) Hexachloroethane           | 8.50  | 117 | 89490  | 19.023 | ng/ul 98  |
| 20) Nitrobenzene               | 8.63  | 77  | 274209 | 19.729 | ng/ul 98  |
| 21) Isophorone                 | 9.16  | 82  | 490653 | 19.904 | ng/ul 98  |
| 23) 2-Nitrophenol              | 9.33  | 139 | 119073 | 21.813 | ng/ul 89  |
| 24) 2,4-Dimethylphenol         | 9.41  | 107 | 247357 | 19.747 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.65  | 93  | 296327 | 19.632 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 9.86  | 162 | 200423 | 20.825 | ng/ul 98  |
| 28) Naphthalene                | 10.25 | 128 | 678936 | 19.418 | ng/ul 98  |
| 30) 4-Chloroaniline            | 10.37 | 127 | 248342 | 20.765 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.55 | 225 | 127766 | 19.344 | ng/ul 97  |
| 32) Caprolactam                | 11.15 | 113 | 71662m | 21.735 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.51 | 107 | 235130 | 20.135 | ng/ul 95  |
| 34) 2-Methylnaphthalene        | 11.87 | 142 | 474818 | 19.727 | ng/ul 95  |

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 Data File : BN009512.D  
 Acq On : 31 Jan 2020 15:49  
 Operator : CG/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 SSTD02068

Manual Integrations  
 APPROVED

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 2/3/2020 4:08:47 PM

Quant Time: Jan 31 22:45:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 22 15:13:20 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.26 | 216  | 238417   | 19.666 | ng/ul  | 95       |
| 37) Hexachlorocyclopentadiene  | 12.23 | 237  | 155994   | 21.121 | ng/ul  | 96       |
| 38) 2,4,6-Trichlorophenol      | 12.50 | 196  | 158755   | 21.185 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.58 | 196  | 171853   | 20.845 | ng/ul  | 95       |
| 40) 1,1'-Biphenyl              | 12.91 | 154  | 629883   | 19.833 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 12.95 | 162  | 497848   | 19.853 | ng/ul  | 94       |
| 42) 2-Nitroaniline             | 13.16 | 65   | 187898   | 20.520 | ng/ul  | 98       |
| 44) Dimethylphthalate          | 13.56 | 163  | 656923   | 20.556 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.67 | 165  | 131750   | 21.668 | ng/ul  | 91       |
| 47) Acenaphthylene             | 13.80 | 152  | 800744   | 20.138 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.00 | 138  | 111319   | 19.610 | ng/ul  | 98       |
| 49) Acenaphthene               | 14.15 | 153  | 524861   | 19.349 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.23 | 184  | 71441    | 20.238 | ng/ul# | 81       |
| 52) 4-Nitrophenol              | 14.33 | 109  | 102248   | 19.121 | ng/ul  | 94       |
| 53) Dibenzofuran               | 14.49 | 168  | 734151   | 19.479 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 14.47 | 165  | 195186   | 21.521 | ng/ul# | 95       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.73 | 232  | 153694   | 21.816 | ng/ul# | 96       |
| 56) Diethylphthalate           | 14.94 | 149  | 673726   | 20.614 | ng/ul  | 99       |
| 58) Fluorene                   | 15.15 | 166  | 637886   | 20.199 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.15 | 204  | 310007   | 19.914 | ng/ul  | 95       |
| 60) 4-Nitroaniline             | 15.17 | 138  | 124596   | 19.438 | ng/ul  | 93       |
| 63) 4,6-Dinitro-2-methylphenol | 15.25 | 198  | 120964   | 21.290 | ng/ul  | 98       |
| 64) N-Nitrosodiphenylamine     | 15.37 | 169  | 545045   | 20.883 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.05 | 248  | 183408   | 20.644 | ng/ul  | 96       |
| 66) Hexachlorobenzene          | 16.16 | 284  | 202667   | 20.564 | ng/ul  | 98       |
| 67) Atrazine                   | 16.33 | 200  | 185915   | 19.469 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 16.50 | 266  | 120833   | 21.092 | ng/ul  | 87       |
| 69) Phenanthrene               | 16.89 | 178  | 1043311  | 20.976 | ng/ul  | 97       |
| 71) Anthracene                 | 16.97 | 178  | 1041498  | 20.566 | ng/ul  | 98       |
| 72) 1,2,3,4-Tetrachlorobenzene | 12.87 | 216  | 244811   | 20.278 | ng/ul  | 94       |
| 73) Pentachlorobenzene         | 14.42 | 250  | 232737   | 19.831 | ng/ul  | 97       |
| 74) Carbazole                  | 17.25 | 167  | 913309   | 21.066 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 17.83 | 149  | 1166610  | 22.026 | ng/ul  | 99       |
| 76) Fluoranthene               | 18.91 | 202  | 1190340  | 20.877 | ng/ul  | 99       |
| 79) Pvrene                     | 19.27 | 202  | 1248702  | 21.457 | ng/ul  | 100      |
| 80) Butylbenzylphthalate       | 20.20 | 149  | 530808   | 23.634 | ng/ul  | 99       |
| 81) 3,3'-Dichlorobenzidine     | 20.97 | 252  | 322328   | 19.026 | ng/ul  | 96       |
| 82) Benzo(a)anthracene         | 21.03 | 228  | 1145444  | 20.928 | ng/ul  | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 774721   | 22.740 | ng/ul  | 99       |
| 84) Chrysene                   | 21.09 | 228  | 1122781  | 21.058 | ng/ul  | 97       |
| 86) Di-n-octyl phthalate       | 21.85 | 149  | 1308070  | 21.261 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.54 | 252  | 1120646  | 20.606 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 22.59 | 252  | 1106741  | 20.697 | ng/ul  | 97       |
| 90) Benzo(a)pyrene             | 23.07 | 252  | 1026819  | 21.034 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.23 | 276  | 1218407  | 20.595 | ng/ul  | 98       |
| 92) Dibenzo(a,h)anthracene     | 25.24 | 278  | 1019059  | 20.417 | ng/ul  | 98       |
| 93) Benzo(g,h,i)perylene       | 25.86 | 276  | 980787   | 19.931 | ng/ul  | 98       |

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

