

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043019\  
 Data File : BN005372.D  
 Acq On : 30 Apr 2019 15:36  
 Operator : JU/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 SSTD02086

Manual Integrations  
 APPROVED

Sohil  
 5/1/2019 12:05:43 PM

Quant Time: May 01 06:38:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 25 03:19:34 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 364913   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 1596740  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.23 | 164  | 1050550  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.98 | 188  | 2581931  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.21 | 240  | 2720199  | 20.00 | ng/ul | -0.02    |
| 85) Perylene-d12          | 23.41 | 264  | 3042064  | 20.00 | ng/ul | -0.03    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 41495   | 5.49  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.78  | 99  | 524515  | 18.30 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.94  | 67  | 292722  | 16.37 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 416535  | 18.99 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 428945  | 19.15 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 209570  | 21.32 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 240483  | 24.14 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 453857  | 19.87 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 481112  | 20.43 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.65 | 166 | 1439828 | 18.88 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 13.92 | 160 | 1743406 | 18.61 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.44 | 143 | 274966  | 22.84 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.23 | 176 | 1221827 | 19.09 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 271103  | 23.35 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.08 | 188 | 2002198 | 18.50 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.39 | 212 | 2366606 | 17.01 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.27 | 264 | 2472928 | 18.60 | ng/ul | -0.03 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.25  | 88  | 41303   | 5.081  | ng/uL# 94 |
| 4) Benzaldehyde                | 6.75  | 77  | 360127  | 17.731 | ng/ul 98  |
| 6) Phenol                      | 6.80  | 94  | 536433  | 18.197 | ng/ul 95  |
| 8) Bis(2-Chloroethyl)ether     | 7.03  | 93  | 413082  | 17.500 | ng/ul 93  |
| 10) 2-Chlorophenol             | 7.16  | 128 | 421462  | 18.587 | ng/ul 93  |
| 11) 2-Methylphenol             | 8.03  | 108 | 407976  | 18.469 | ng/ul 95  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.12  | 45  | 576444  | 14.544 | ng/ul# 94 |
| 14) Acetophenone               | 8.40  | 105 | 672648  | 18.760 | ng/ul 93  |
| 15) N-Nitroso-di-n-propylamine | 8.39  | 70  | 343291  | 17.899 | ng/ul 90  |
| 16) 4-Methylphenol             | 8.36  | 108 | 452050  | 18.949 | ng/ul 95  |
| 17) Hexachloroethane           | 8.65  | 117 | 173899  | 17.660 | ng/ul 90  |
| 20) Nitrobenzene               | 8.78  | 77  | 482494  | 17.839 | ng/ul 93  |
| 21) Isophorone                 | 9.29  | 82  | 983421  | 18.364 | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.48  | 139 | 255088  | 22.594 | ng/ul 94  |
| 24) 2,4-Dimethylphenol         | 9.55  | 107 | 518369  | 18.337 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.78  | 93  | 587259  | 17.450 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.00 | 162 | 438733  | 19.466 | ng/ul 99  |
| 28) Naphthalene                | 10.40 | 128 | 1362262 | 18.352 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.52 | 127 | 488190  | 20.350 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.69 | 225 | 293953  | 18.468 | ng/ul 100 |
| 32) Caprolactam                | 11.27 | 113 | 165819m | 24.315 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.65 | 107 | 497020  | 19.584 | ng/ul 94  |
| 34) 2-Methylnaphthalene        | 12.02 | 142 | 1026018 | 18.877 | ng/ul 100 |

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 Quant Title : SVOA CALIBRATION  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.40 | 216  | 588270   | 18.094 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.38 | 237  | 404676   | 18.256 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.65 | 196  | 389610   | 19.873 | ng/ul  | 96       |
| 39) 2,4,5-Trichlorophenol      | 12.72 | 196  | 418754   | 19.878 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.05 | 154  | 1363099  | 17.414 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.09 | 162  | 1062952  | 17.656 | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 13.30 | 65   | 326582   | 20.453 | ng/ul  | 89       |
| 44) Dimethylphthalate          | 13.69 | 163  | 1424836  | 18.751 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.81 | 165  | 302186   | 23.031 | ng/ul# | 88       |
| 47) Acenaphthylene             | 13.95 | 152  | 1671747  | 18.161 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.13 | 138  | 278607   | 22.841 | ng/ul# | 87       |
| 49) Acenaphthene               | 14.29 | 153  | 1139296  | 18.130 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.35 | 184  | 176755   | 27.656 | ng/ul# | 84       |
| 52) 4-Nitrophenol              | 14.45 | 109  | 214366   | 19.613 | ng/ul  | 90       |
| 53) Dibenzofuran               | 14.63 | 168  | 1676103  | 18.525 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 14.60 | 165  | 448235   | 23.697 | ng/ul  | 87       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.86 | 232  | 401858   | 22.930 | ng/ul# | 92       |
| 56) Diethylphthalate           | 15.07 | 149  | 1461437  | 19.180 | ng/ul  | 98       |
| 58) Fluorene                   | 15.28 | 166  | 1350715  | 19.132 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.28 | 204  | 723357   | 19.315 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.30 | 138  | 327943   | 21.566 | ng/ul  | 91       |
| 63) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 286684   | 23.196 | ng/ul  | 92       |
| 64) N-Nitrosodiphenylamine     | 15.50 | 169  | 1231675  | 17.430 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.18 | 248  | 469815   | 18.062 | ng/ul  | 93       |
| 66) Hexachlorobenzene          | 16.29 | 284  | 528624   | 19.086 | ng/ul  | 93       |
| 67) Atrazine                   | 16.46 | 200  | 501522   | 19.064 | ng/ul  | 96       |
| 68) Pentachlorophenol          | 16.63 | 266  | 341045   | 21.029 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.02 | 178  | 2273454  | 18.080 | ng/ul  | 99       |
| 71) Anthracene                 | 17.12 | 178  | 2154778  | 16.822 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.01 | 216  | 606416   | 16.080 | ng/ul  | 100      |
| 73) Pentachlorobenzene         | 14.55 | 250  | 585900   | 17.262 | ng/ul  | 99       |
| 74) Carbazole                  | 17.39 | 167  | 2128184  | 19.341 | ng/ul  | 98       |
| 75) Di-n-butylphthalate        | 17.97 | 149  | 2660770  | 19.272 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.06 | 202  | 2869091  | 20.571 | ng/ul  | 97       |
| 79) Pvrene                     | 19.42 | 202  | 2932529  | 16.743 | ng/ul  | 96       |
| 80) Butylbenzylphthalate       | 20.35 | 149  | 1304835  | 18.817 | ng/ul  | 95       |
| 81) 3,3'-Dichlorobenzidine     | 21.13 | 252  | 994034   | 18.290 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.20 | 228  | 3089793  | 18.259 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.15 | 149  | 1957629  | 18.334 | ng/ul# | 96       |
| 84) Chrysene                   | 21.25 | 228  | 2864727  | 18.240 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.03 | 149  | 3439250  | 18.459 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.76 | 252  | 3135707  | 18.337 | ng/ul  | 98       |
| 88) Benzo(k)fluoranthene       | 22.80 | 252  | 2982896  | 18.264 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.32 | 252  | 2953802  | 18.377 | ng/ul  | 98       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.60 | 276  | 3218142  | 18.109 | ng/ul  | 99       |
| 92) Dibenzo(a,h)anthracene     | 25.60 | 278  | 2748925  | 18.227 | ng/ul  | 97       |
| 93) Benzo(g,h,i)perylene       | 26.26 | 276  | 2511506  | 17.092 | ng/ul  | 96       |

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

