

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\  
 Data File : BN005555.D  
 Acq On : 09 May 2019 04:40  
 Operator : JU/SJ  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 SSTD02002

Manual Integrations  
 APPROVED

Sohil  
 5/9/2019 2:35:40 PM

Quant Time: May 09 05:40:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 313897   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 1378079  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.22 | 164  | 893545   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.98 | 188  | 2125961m | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.21 | 240  | 1632040  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.41 | 264  | 1414061  | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.21  | 96  | 41670   | 6.41  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.78  | 99  | 447474  | 18.15 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.93  | 67  | 248517  | 16.16 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 368910  | 19.55 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 368927  | 19.14 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 192900  | 22.74 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 219910  | 25.57 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 413263  | 20.97 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 511634  | 25.17 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.64 | 166 | 1220394 | 18.82 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 13.91 | 160 | 1541796 | 19.35 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.45 | 143 | 196728  | 19.21 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.22 | 176 | 1066184 | 19.59 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 179032m | 18.72 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.07 | 188 | 1663172 | 18.66 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.39 | 212 | 1754627 | 21.02 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.27 | 264 | 1176882 | 19.04 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.24  | 88  | 43297   | 6.192  | ng/uL 97  |
| 4) Benzaldehyde                | 6.75  | 77  | 305409  | 17.481 | ng/ul 97  |
| 6) Phenol                      | 6.80  | 94  | 459754  | 18.130 | ng/ul 97  |
| 8) Bis(2-Chloroethyl)ether     | 7.03  | 93  | 355899  | 17.528 | ng/ul 94  |
| 10) 2-Chlorophenol             | 7.16  | 128 | 373212  | 19.134 | ng/ul 95  |
| 11) 2-Methylphenol             | 8.03  | 108 | 359942  | 18.942 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.12  | 45  | 493911  | 14.487 | ng/ul# 94 |
| 14) Acetophenone               | 8.40  | 105 | 600395  | 19.466 | ng/ul 95  |
| 15) N-Nitroso-di-n-propylamine | 8.39  | 70  | 294511  | 17.851 | ng/ul# 88 |
| 16) 4-Methylphenol             | 8.36  | 108 | 395515  | 19.273 | ng/ul 99  |
| 17) Hexachloroethane           | 8.65  | 117 | 159464  | 18.826 | ng/ul 89  |
| 20) Nitrobenzene               | 8.78  | 77  | 438905  | 18.803 | ng/ul 93  |
| 21) Isophorone                 | 9.29  | 82  | 842686  | 18.233 | ng/ul 96  |
| 23) 2-Nitrophenol              | 9.48  | 139 | 228733  | 23.475 | ng/ul 99  |
| 24) 2,4-Dimethylphenol         | 9.54  | 107 | 438351  | 17.967 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.78  | 93  | 501720  | 17.274 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.00 | 162 | 396681  | 20.392 | ng/ul 98  |
| 28) Naphthalene                | 10.40 | 128 | 1259759 | 19.664 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.52 | 127 | 510394  | 24.652 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.68 | 225 | 285400  | 20.776 | ng/ul 98  |
| 32) Caprolactam                | 11.27 | 113 | 134199m | 22.801 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.65 | 107 | 430856  | 19.670 | ng/ul 95  |
| 34) 2-Methylnaphthalene        | 12.02 | 142 | 936281  | 19.960 | ng/ul 98  |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216  | 549070   | 19.856 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.37 | 237  | 227315   | 12.057 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.65 | 196  | 344893   | 20.684 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.72 | 196  | 368184   | 20.548 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.05 | 154  | 1232756  | 18.516 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.09 | 162  | 961086   | 18.770 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.30 | 65   | 274323   | 20.199 | ng/ul  | 89       |
| 44) Dimethylphthalate          | 13.69 | 163  | 1193599  | 18.468 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 13.81 | 165  | 258776   | 23.188 | ng/ul# | 87       |
| 47) Acenaphthylene             | 13.94 | 152  | 1482197  | 18.932 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.14 | 138  | 259326   | 24.996 | ng/ul  | 87       |
| 49) Acenaphthene               | 14.29 | 153  | 1000580  | 18.720 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.36 | 184  | 92060    | 16.935 | ng/ul# | 86       |
| 52) 4-Nitrophenol              | 14.46 | 109  | 154736   | 16.645 | ng/ul  | 90       |
| 53) Dibenzofuran               | 14.63 | 168  | 1460967  | 18.985 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 14.61 | 165  | 378420   | 23.522 | ng/ul  | 94       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.86 | 232  | 324308   | 21.757 | ng/ul  | 93       |
| 56) Diethylphthalate           | 15.06 | 149  | 1208666  | 18.650 | ng/ul  | 98       |
| 58) Fluorene                   | 15.28 | 166  | 1182918  | 19.699 | ng/ul  | 95       |
| 59) 4-Chlorophenyl-phenylether | 15.27 | 204  | 623801   | 19.583 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.31 | 138  | 278953   | 21.567 | ng/ul  | 92       |
| 63) 4,6-Dinitro-2-methylphenol | 15.38 | 198  | 183937m  | 18.074 | ng/ul  |          |
| 64) N-Nitrosodiphenylamine     | 15.49 | 169  | 1041067  | 17.892 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.17 | 248  | 412375   | 19.254 | ng/ul  | 93       |
| 66) Hexachlorobenzene          | 16.29 | 284  | 449119   | 19.693 | ng/ul  | 94       |
| 67) Atrazine                   | 16.46 | 200  | 411058   | 18.976 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 16.63 | 266  | 242354   | 18.149 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.02 | 178  | 1906099m | 18.410 | ng/ul  |          |
| 71) Anthracene                 | 17.11 | 178  | 1948862  | 18.477 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.01 | 216  | 565303   | 18.205 | ng/ul  | 98       |
| 73) Pentachlorobenzene         | 14.55 | 250  | 521786   | 18.670 | ng/ul  | 98       |
| 74) Carbazole                  | 17.39 | 167  | 1711253  | 18.887 | ng/ul  | 98       |
| 75) Di-n-butylphthalate        | 17.96 | 149  | 2122887  | 18.674 | ng/ul  | 99       |
| 76) Fluoranthene               | 19.05 | 202  | 2217416  | 19.308 | ng/ul# | 95       |
| 79) Pvrene                     | 19.42 | 202  | 2171457  | 20.664 | ng/ul# | 93       |
| 80) Butylbenzylphthalate       | 20.35 | 149  | 934378   | 22.459 | ng/ul  | 92       |
| 81) 3,3'-Dichlorobenzidine     | 21.13 | 252  | 627725   | 19.251 | ng/ul# | 98       |
| 82) Benzo(a)anthracene         | 21.19 | 228  | 1841079  | 18.133 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.14 | 149  | 1345654  | 21.005 | ng/ul# | 96       |
| 84) Chrysene                   | 21.25 | 228  | 1708333  | 18.130 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.02 | 149  | 2163212  | 24.977 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.76 | 252  | 1461078  | 18.381 | ng/ul# | 97       |
| 88) Benzo(k)fluoranthene       | 22.80 | 252  | 1475968  | 19.442 | ng/ul  | 98       |
| 90) Benzo(a)pyrene             | 23.32 | 252  | 1397917  | 18.710 | ng/ul# | 97       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.60 | 276  | 1538603  | 18.626 | ng/ul  | 96       |
| 92) Dibenzo(a,h)anthracene     | 25.61 | 278  | 1279723  | 18.254 | ng/ul# | 96       |
| 93) Benzo(g,h,i)perylene       | 26.26 | 276  | 1271703  | 18.618 | ng/ul# | 95       |

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

