

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN041919\  
 Data File : BN005160.D  
 Acq On : 18 Apr 2019 21:05  
 Operator : JU/SJ  
 Sample : SSTD04061  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 SSTD04061

Manual Integrations  
 APPROVED

Sohil  
 4/23/2019 8:37:42 AM

Quant Time: Apr 19 03:57:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 19 03:40:10 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 357836   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.37 | 136  | 1527362  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.24 | 164  | 881070   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.99 | 188  | 1901859  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.20 | 240  | 1738974  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.39 | 264  | 1889280  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 120652  | 16.15 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.79  | 99  | 1162215 | 42.12 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.96  | 67  | 720973  | 40.93 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 903806  | 41.94 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.30  | 113 | 911888  | 42.70 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.75  | 128 | 412072  | 49.91 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.46  | 143 | 436033  | 56.59 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.99  | 165 | 914620  | 42.44 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.50 | 131 | 953043  | 43.69 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.66 | 166 | 2600387 | 40.31 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.93 | 160 | 3235216 | 40.14 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.44 | 143 | 422339  | 46.85 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.24 | 176 | 2165383 | 40.38 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 356854  | 52.32 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.09 | 188 | 3243177 | 40.55 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.39 | 212 | 3535656 | 40.38 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.25 | 264 | 3470237 | 41.84 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.25  | 88  | 132315  | 16.435 | ng/uL 92  |
| 4) Benzaldehyde                | 6.76  | 77  | 837419  | 41.614 | ng/ul 96  |
| 6) Phenol                      | 6.81  | 94  | 1212034 | 42.540 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 7.05  | 93  | 956740  | 41.478 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.18  | 128 | 921506  | 41.690 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.04  | 108 | 897125  | 41.934 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.14  | 45  | 1598811 | 40.785 | ng/ul 99  |
| 14) Acetophenone               | 8.42  | 105 | 1451082 | 41.814 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.42  | 70  | 755502  | 39.893 | ng/ul 97  |
| 16) 4-Methylphenol             | 8.37  | 108 | 967200  | 42.366 | ng/ul 92  |
| 17) Hexachloroethane           | 8.67  | 117 | 403557  | 42.432 | ng/ul 97  |
| 20) Nitrobenzene               | 8.79  | 77  | 1093978 | 45.645 | ng/ul 99  |
| 21) Isophorone                 | 9.32  | 82  | 2113141 | 39.673 | ng/ul 100 |
| 23) 2-Nitrophenol              | 9.49  | 139 | 484345  | 51.808 | ng/ul 96  |
| 24) 2,4-Dimethylphenol         | 9.56  | 107 | 1104840 | 40.372 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.80  | 93  | 1310265 | 39.968 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.02 | 162 | 894832  | 42.161 | ng/ul 98  |
| 28) Naphthalene                | 10.42 | 128 | 2869858 | 40.254 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.53 | 127 | 974783  | 44.042 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.71 | 225 | 634898  | 41.604 | ng/ul 98  |
| 32) Caprolactam                | 11.29 | 113 | 275309m | 43.784 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.66 | 107 | 1000955 | 42.072 | ng/ul 100 |
| 34) 2-Methylnaphthalene        | 12.04 | 142 | 2082262 | 40.210 | ng/ul 98  |

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 Sample : SSTD04061  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD04061

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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 19 03:40:10 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.41 | 216  | 1133791  | 40.919 | ng/ul | 98       |
| 37) Hexachlorocyclopentadiene  | 12.40 | 237  | 766953   | 42.074 | ng/ul | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.65 | 196  | 703805   | 43.005 | ng/ul | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.72 | 196  | 760299   | 44.573 | ng/ul | 99       |
| 40) 1,1'-Biphenyl              | 13.07 | 154  | 2661114  | 39.988 | ng/ul | 99       |
| 41) 2-Chloronaphthalene        | 13.10 | 162  | 2059131  | 40.378 | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.31 | 65   | 611338   | 55.949 | ng/ul | 97       |
| 44) Dimethylphthalate          | 13.71 | 163  | 2553092  | 40.091 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 13.82 | 165  | 493773   | 55.017 | ng/ul | 95       |
| 47) Acenaphthylene             | 13.96 | 152  | 3150997  | 40.258 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.14 | 138  | 433869   | 49.536 | ng/ul | 96       |
| 49) Acenaphthene               | 14.30 | 153  | 2125036  | 40.103 | ng/ul | 100      |
| 50) 2,4-Dinitrophenol          | 14.35 | 184  | 217638   | 55.810 | ng/ul | 95       |
| 52) 4-Nitrophenol              | 14.46 | 109  | 378492   | 45.090 | ng/ul | 95       |
| 53) Dibenzofuran               | 14.64 | 168  | 3048558  | 40.154 | ng/ul | 99       |
| 54) 2,4-Dinitrotoluene         | 14.61 | 165  | 712293   | 54.609 | ng/ul | 98       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.87 | 232  | 624864   | 44.174 | ng/ul | 97       |
| 56) Diethylphthalate           | 15.09 | 149  | 2605917  | 39.898 | ng/ul | 99       |
| 58) Fluorene                   | 15.29 | 166  | 2357510  | 39.472 | ng/ul | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.30 | 204  | 1246798  | 39.924 | ng/ul | 97       |
| 60) 4-Nitroaniline             | 15.32 | 138  | 536875   | 47.250 | ng/ul | 99       |
| 63) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 379692   | 50.211 | ng/ul | 97       |
| 64) N-Nitrosodiphenylamine     | 15.51 | 169  | 2112927  | 40.390 | ng/ul | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.19 | 248  | 794902   | 41.245 | ng/ul | 99       |
| 66) Hexachlorobenzene          | 16.29 | 284  | 837215   | 41.604 | ng/ul | 99       |
| 67) Atrazine                   | 16.47 | 200  | 806127   | 41.657 | ng/ul | 99       |
| 68) Pentachlorophenol          | 16.64 | 266  | 494295   | 43.570 | ng/ul | 96       |
| 69) Phenanthrene               | 17.03 | 178  | 3737606  | 40.455 | ng/ul | 100      |
| 71) Anthracene                 | 17.12 | 178  | 3804428  | 40.267 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.02 | 216  | 1163272  | 41.398 | ng/ul | 98       |
| 73) Pentachlorobenzene         | 14.56 | 250  | 1023427  | 41.194 | ng/ul | 99       |
| 74) Carbazole                  | 17.39 | 167  | 3375522  | 41.813 | ng/ul | 100      |
| 75) Di-n-butylphthalate        | 17.99 | 149  | 4360729  | 40.465 | ng/ul | 100      |
| 76) Fluoranthene               | 19.06 | 202  | 4324823  | 41.831 | ng/ul | 99       |
| 79) Pyrene                     | 19.42 | 202  | 4396595  | 39.905 | ng/ul | 99       |
| 80) Butylbenzylphthalate       | 20.36 | 149  | 1962362  | 43.203 | ng/ul | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.12 | 252  | 1447594  | 40.756 | ng/ul | 99       |
| 82) Benzo(a)anthracene         | 21.19 | 228  | 4365207  | 40.140 | ng/ul | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.15 | 149  | 3021114  | 41.201 | ng/ul | 99       |
| 84) Chrysene                   | 21.24 | 228  | 4054437  | 39.936 | ng/ul | 99       |
| 86) Di-n-octyl phthalate       | 22.03 | 149  | 5165417  | 43.602 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.74 | 252  | 4431471  | 41.435 | ng/ul | 99       |
| 88) Benzo(k)fluoranthene       | 22.79 | 252  | 4079814  | 40.553 | ng/ul | 100      |
| 90) Benzo(a)pyrene             | 23.30 | 252  | 4142764  | 41.335 | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.56 | 276  | 4754074  | 41.970 | ng/ul | 100      |
| 92) Dibenzo(a,h)anthracene     | 25.58 | 278  | 4019535  | 42.115 | ng/ul | 98       |
| 93) Benzo(g,h,i)perylene       | 26.22 | 276  | 3938827  | 41.670 | ng/ul | 99       |

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

