

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN081318\  
 Data File : BN002306.D  
 Acq On : 13 Aug 2018 14:55  
 Operator : JU/SJ  
 Sample : SSTD04038  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD04038

Manual Integrations  
 APPROVED

Sohil  
 8/14/2018 4:52:54 PM

Quant Time: Aug 13 15:26:29 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 13 14:52:46 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 183453   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 867296   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.31 | 164  | 525121   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 1227975  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.26 | 240  | 1315185  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.48 | 264  | 1388953  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.24  | 96  | 63404   | 15.59 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.86  | 99  | 695962  | 40.28 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.02  | 67  | 432074  | 41.05 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.22  | 132 | 544036  | 39.87 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.39  | 113 | 553097  | 39.75 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.83  | 128 | 286443  | 39.87 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.55  | 143 | 311729  | 38.37 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.08 | 165 | 571302  | 38.84 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 596581  | 35.28 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 1785922 | 40.12 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.00 | 160 | 2222836 | 40.14 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.53 | 143 | 342151  | 40.24 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.31 | 176 | 1541660 | 40.27 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 322327  | 40.30 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 2371516 | 39.61 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.46 | 212 | 2601152 | 38.05 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.35 | 264 | 2991496 | 39.89 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.27  | 88  | 64347   | 15.767 | ng/uL# 90 |
| 4) Benzaldehyde                | 6.83  | 77  | 470347  | 45.899 | ng/ul 96  |
| 6) Phenol                      | 6.89  | 94  | 708400  | 40.832 | ng/ul 94  |
| 8) Bis(2-Chloroethyl)ether     | 7.12  | 93  | 533285  | 40.312 | ng/ul# 88 |
| 10) 2-Chlorophenol             | 7.25  | 128 | 539668  | 39.650 | ng/ul# 90 |
| 11) 2-Methylphenol             | 8.12  | 108 | 534954  | 40.092 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.21  | 45  | 880350  | 40.481 | ng/ul# 85 |
| 14) Acetophenone               | 8.50  | 105 | 881780  | 41.750 | ng/ul# 90 |
| 15) N-Nitroso-di-n-propylamine | 8.49  | 70  | 472867  | 40.858 | ng/ul# 83 |
| 16) 4-Methylphenol             | 8.45  | 108 | 585435  | 40.436 | ng/ul 99  |
| 17) Hexachloroethane           | 8.75  | 117 | 216589  | 40.259 | ng/ul 99  |
| 20) Nitrobenzene               | 8.88  | 77  | 681655  | 41.217 | ng/ul 95  |
| 21) Isophorone                 | 9.39  | 82  | 1328775 | 40.156 | ng/ul 98  |
| 23) 2-Nitrophenol              | 9.58  | 139 | 326976  | 39.295 | ng/ul# 89 |
| 24) 2,4-Dimethylphenol         | 9.64  | 107 | 662705  | 39.780 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.88  | 93  | 766564  | 38.483 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.11 | 162 | 550786  | 39.012 | ng/ul 98  |
| 28) Naphthalene                | 10.50 | 128 | 1809788 | 39.498 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.62 | 127 | 596327  | 35.907 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.79 | 225 | 330636  | 39.516 | ng/ul 99  |
| 32) Caprolactam                | 11.38 | 113 | 204496m | 38.969 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.75 | 107 | 632659  | 39.838 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.12 | 142 | 1340965 | 40.123 | ng/ul 99  |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 13 14:52:46 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216  | 656152   | 38.535 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.47 | 237  | 406327   | 37.620 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.74 | 196  | 440588   | 37.643 | ng/ul  | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.81 | 196  | 467829   | 37.839 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.14 | 154  | 1716736  | 39.283 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.18 | 162  | 1340141  | 39.438 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.39 | 65   | 461640   | 42.253 | ng/ul# | 80       |
| 44) Dimethylphthalate          | 13.78 | 163  | 1740205  | 39.913 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.90 | 165  | 377807   | 41.000 | ng/ul  | 96       |
| 47) Acenaphthylene             | 14.03 | 152  | 2083483  | 39.193 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.23 | 138  | 340610   | 37.499 | ng/ul  | 96       |
| 49) Acenaphthene               | 14.37 | 153  | 1455044  | 39.656 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.44 | 184  | 219336   | 40.464 | ng/ul# | 1        |
| 52) 4-Nitrophenol              | 14.55 | 109  | 261833   | 44.054 | ng/ul# | 85       |
| 53) Dibenzofuran               | 14.72 | 168  | 2044619  | 39.440 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 14.69 | 165  | 552569   | 41.344 | ng/ul# | 85       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.95 | 232  | 409072   | 37.680 | ng/ul  | 100      |
| 56) Diethylphthalate           | 15.15 | 149  | 1794038  | 40.523 | ng/ul  | 100      |
| 58) Fluorene                   | 15.37 | 166  | 1679547  | 40.581 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.36 | 204  | 817324   | 39.759 | ng/ul  | 95       |
| 60) 4-Nitroaniline             | 15.40 | 138  | 448742   | 42.672 | ng/ul  | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.46 | 198  | 336234   | 40.603 | ng/ul  | 100      |
| 64) N-Nitrosodiphenylamine     | 15.58 | 169  | 1468736  | 39.104 | ng/ul  | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.26 | 248  | 516229   | 38.205 | ng/ul  | 92       |
| 66) Hexachlorobenzene          | 16.37 | 284  | 565858   | 37.843 | ng/ul  | 96       |
| 67) Atrazine                   | 16.53 | 200  | 543360   | 40.092 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 16.72 | 266  | 320655   | 37.700 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.10 | 178  | 2705385  | 39.230 | ng/ul  | 99       |
| 71) Anthracene                 | 17.20 | 178  | 2777826  | 39.551 | ng/ul  | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.10 | 216  | 708786   | 38.710 | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 14.63 | 250  | 661674   | 38.632 | ng/uL  | 98       |
| 74) Carbazole                  | 17.47 | 167  | 2533025  | 42.636 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.03 | 149  | 3110156  | 39.593 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.13 | 202  | 3203689  | 43.775 | ng/ul  | 99       |
| 79) Pyrene                     | 19.49 | 202  | 3250620  | 38.517 | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.40 | 149  | 1475279  | 36.804 | ng/ul  | 95       |
| 81) 3,3'-Dichlorobenzidine     | 21.18 | 252  | 1101450  | 39.496 | ng/ul  | 98       |
| 82) Benzo(a)anthracene         | 21.25 | 228  | 3265509  | 38.981 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.18 | 149  | 2174252  | 38.308 | ng/ul  | 99       |
| 84) Chrysene                   | 21.30 | 228  | 3094741  | 39.638 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.06 | 149  | 3793060  | 41.580 | ng/ul# | 92       |
| 87) Benzo(b)fluoranthene       | 22.82 | 252  | 3487939  | 40.801 | ng/ul  | 100      |
| 88) Benzo(k)fluoranthene       | 22.86 | 252  | 3107857  | 38.268 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.39 | 252  | 3229468  | 39.758 | ng/ul  | 98       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.72 | 276  | 3865795  | 41.171 | ng/ul  | 99       |
| 92) Dibenzo(a,h)anthracene     | 25.72 | 278  | 3204343  | 40.777 | ng/ul  | 100      |
| 93) Benzo(g,h,i)perylene       | 26.39 | 276  | 3230055  | 40.939 | ng/ul  | 98       |

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

