

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN082018\  
 Data File : BN002440.D  
 Acq On : 21 Aug 2018 01:28  
 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 SSTD02055

Manual Integrations  
 APPROVED

Sohil  
 8/21/2018 4:47:39 PM

Quant Time: Aug 21 04:36:58 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 21 01:54:59 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 154876   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 741761   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.30 | 164  | 456686   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.05 | 188  | 1061503  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.25 | 240  | 1195042  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.47 | 264  | 1246529  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 26160   | 7.97  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.85  | 99  | 271163  | 19.10 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.02  | 67  | 180282  | 20.21 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.21  | 132 | 213971  | 19.78 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.38  | 113 | 220603  | 19.43 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 112817  | 19.11 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.54  | 143 | 119332  | 19.22 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.07 | 165 | 224449  | 19.67 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 237496  | 19.26 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.72 | 166 | 733890  | 19.38 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.99 | 160 | 928144  | 19.98 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 126766  | 17.71 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.30 | 176 | 643948  | 19.62 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 119834  | 17.73 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.15 | 188 | 1006569 | 19.85 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.45 | 212 | 1103395 | 19.30 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.33 | 264 | 1281363 | 19.66 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.27  | 88  | 29659  | 8.449  | ng/uL 89  |
| 4) Benzaldehyde                | 6.83  | 77  | 193306 | 19.814 | ng/ul 91  |
| 6) Phenol                      | 6.88  | 94  | 280293 | 19.381 | ng/ul 95  |
| 8) Bis(2-Chloroethyl)ether     | 7.10  | 93  | 220218 | 20.031 | ng/ul# 86 |
| 10) 2-Chlorophenol             | 7.24  | 128 | 214522 | 19.699 | ng/ul# 84 |
| 11) 2-Methylphenol             | 8.12  | 108 | 210419 | 19.279 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20  | 45  | 386704 | 21.238 | ng/ul# 84 |
| 14) Acetophenone               | 8.49  | 105 | 365105 | 20.116 | ng/ul# 86 |
| 15) N-Nitroso-di-n-propylamine | 8.48  | 70  | 193063 | 20.159 | ng/ul# 81 |
| 16) 4-Methylphenol             | 8.44  | 108 | 232515 | 19.582 | ng/ul 97  |
| 17) Hexachloroethane           | 8.73  | 117 | 90667  | 19.876 | ng/ul 95  |
| 20) Nitrobenzene               | 8.86  | 77  | 283181 | 20.041 | ng/ul 93  |
| 21) Isophorone                 | 9.38  | 82  | 538579 | 19.772 | ng/ul 95  |
| 23) 2-Nitrophenol              | 9.57  | 139 | 127370 | 19.516 | ng/ul# 86 |
| 24) 2,4-Dimethylphenol         | 9.63  | 107 | 266658 | 19.925 | ng/ul 97  |
| 25) Bis(2-Chloroethoxy)methane | 9.86  | 93  | 315777 | 19.677 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.10 | 162 | 218563 | 19.783 | ng/ul 98  |
| 28) Naphthalene                | 10.49 | 128 | 746354 | 19.556 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.61 | 127 | 243875 | 19.559 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.78 | 225 | 136136 | 19.575 | ng/ul 98  |
| 32) Caprolactam                | 11.36 | 113 | 79851m | 19.240 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.74 | 107 | 250078 | 19.671 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.11 | 142 | 555215 | 19.711 | ng/ul 100 |

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 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 SSTD02055

Manual Integrations  
 APPROVED

Sohil  
 8/21/2018 4:47:39 PM

Quant Time: Aug 21 04:36:58 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 21 01:54:59 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216  | 272391   | 19.691 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.46 | 237  | 146746   | 17.463 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.73 | 196  | 173394   | 19.466 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.80 | 196  | 183551   | 19.258 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.13 | 154  | 718617   | 19.656 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.17 | 162  | 561921   | 19.717 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.39 | 65   | 181134   | 19.956 | ng/ul# | 79       |
| 44) Dimethylphthalate          | 13.76 | 163  | 722103   | 19.448 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.89 | 165  | 146964   | 19.591 | ng/ul  | 89       |
| 47) Acenaphthylene             | 14.02 | 152  | 877485   | 19.845 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.22 | 138  | 135319   | 18.959 | ng/ul  | 85       |
| 49) Acenaphthene               | 14.37 | 153  | 613544   | 19.670 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.43 | 184  | 65809    | 14.663 | ng/ul# | 1        |
| 52) 4-Nitrophenol              | 14.53 | 109  | 102084   | 18.821 | ng/ul# | 88       |
| 53) Dibenzofuran               | 14.70 | 168  | 864607   | 19.648 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.68 | 165  | 223323   | 19.745 | ng/ul# | 80       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.94 | 232  | 160683   | 19.308 | ng/ul  | 98       |
| 56) Diethylphthalate           | 15.13 | 149  | 747578   | 19.734 | ng/ul  | 99       |
| 58) Fluorene                   | 15.36 | 166  | 714333   | 19.842 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.35 | 204  | 349694   | 19.680 | ng/ul  | 96       |
| 60) 4-Nitroaniline             | 15.38 | 138  | 171550   | 18.598 | ng/ul  | 95       |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 122434   | 17.561 | ng/ul# | 92       |
| 64) N-Nitrosodiphenylamine     | 15.57 | 169  | 604104   | 19.476 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.25 | 248  | 215507   | 19.901 | ng/ul  | 96       |
| 66) Hexachlorobenzene          | 16.36 | 284  | 239707   | 19.834 | ng/ul  | 93       |
| 67) Atrazine                   | 16.53 | 200  | 218995   | 19.312 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 16.71 | 266  | 115226   | 17.033 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.09 | 178  | 1158201  | 19.792 | ng/ul  | 99       |
| 71) Anthracene                 | 17.19 | 178  | 1180969  | 19.898 | ng/ul  | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.09 | 216  | 294384   | 19.833 | ng/uL  | 96       |
| 73) Pentachlorobenzene         | 14.63 | 250  | 276418   | 19.539 | ng/uL  | 100      |
| 74) Carbazole                  | 17.46 | 167  | 1050122  | 19.952 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.03 | 149  | 1272235  | 19.883 | ng/ul  | 99       |
| 76) Fluoranthene               | 19.12 | 202  | 1361630  | 20.444 | ng/ul  | 100      |
| 79) Pyrene                     | 19.48 | 202  | 1410454  | 19.574 | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.39 | 149  | 580655   | 19.018 | ng/ul  | 95       |
| 81) 3,3'-Dichlorobenzidine     | 21.17 | 252  | 406270   | 17.059 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.23 | 228  | 1450427  | 19.811 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 878468   | 19.182 | ng/ul  | 98       |
| 84) Chrysene                   | 21.29 | 228  | 1338632  | 19.318 | ng/ul  | 100      |
| 86) Di-n-octyl phthalate       | 22.05 | 149  | 1531324  | 19.331 | ng/ul# | 91       |
| 87) Benzo(b)fluoranthene       | 22.80 | 252  | 1461211  | 19.556 | ng/ul  | 100      |
| 88) Benzo(k)fluoranthene       | 22.85 | 252  | 1401342  | 19.907 | ng/ul  | 100      |
| 90) Benzo(a)pyrene             | 23.37 | 252  | 1392663  | 19.566 | ng/ul  | 100      |
| 91) Indeno(1,2,3-cd)pyrene     | 25.69 | 276  | 1548415  | 18.286 | ng/ul  | 98       |
| 92) Dibenzo(a,h)anthracene     | 25.69 | 278  | 1288627  | 18.203 | ng/ul  | 100      |
| 93) Benzo(g,h,i)perylene       | 26.36 | 276  | 1236247  | 17.497 | ng/ul  | 98       |

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

