

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\  
 Data File : BN009596.D  
 Acq On : 05 Feb 2020 11:26  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02075

Manual Integrations  
 APPROVED

mohammad  
 2/6/2020 8:12:27 AM

Quant Time: Feb 05 12:23:29 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Feb 03 16:39:56 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.43  | 152  | 146196   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.19 | 136  | 628711   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.07 | 164  | 406553   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.83 | 188  | 847388   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.04 | 240  | 802708   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.15 | 264  | 827113   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.08  | 96  | 28766  | 8.07  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.63  | 99  | 264547 | 20.75 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.79  | 67  | 181423 | 21.18 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 6.98  | 132 | 204323 | 21.77 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.15  | 113 | 214157 | 21.09 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.58  | 128 | 101600 | 21.73 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.29  | 143 | 111239 | 21.32 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 9.82  | 165 | 210824 | 21.57 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.33 | 131 | 222929 | 21.21 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.50 | 166 | 622177 | 20.96 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 13.76 | 160 | 770010 | 21.47 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.30 | 143 | 111663 | 19.92 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.07 | 176 | 549105 | 21.04 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.22 | 200 | 99520  | 18.80 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 16.93 | 188 | 830432 | 21.57 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.23 | 212 | 906253 | 21.48 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.02 | 264 | 863745 | 21.21 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.10  | 88  | 31108  | 7.653  | ng/uL 91  |
| 4) Benzaldehyde                | 6.60  | 77  | 189950 | 21.713 | ng/ul 98  |
| 6) Phenol                      | 6.66  | 94  | 286829 | 21.050 | ng/ul 98  |
| 8) Bis(2-Chloroethyl)ether     | 6.88  | 93  | 221284 | 20.819 | ng/ul 97  |
| 10) 2-Chlorophenol             | 7.01  | 128 | 213169 | 21.892 | ng/ul 98  |
| 11) 2-Methylphenol             | 7.89  | 108 | 209908 | 20.847 | ng/ul 93  |
| 12) 2,2'-oxybis(1-Chloropropan | 7.96  | 45  | 542632 | 21.339 | ng/ul 99  |
| 14) Acetophenone               | 8.25  | 105 | 339960 | 20.924 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.24  | 70  | 185644 | 21.576 | ng/ul 97  |
| 16) 4-Methylphenol             | 8.21  | 108 | 230104 | 20.855 | ng/ul 94  |
| 17) Hexachloroethane           | 8.49  | 117 | 91913  | 20.826 | ng/ul 98  |
| 20) Nitrobenzene               | 8.62  | 77  | 285594 | 21.270 | ng/ul 97  |
| 21) Isophorone                 | 9.14  | 82  | 504249 | 20.872 | ng/ul 100 |
| 23) 2-Nitrophenol              | 9.32  | 139 | 121146 | 21.316 | ng/ul 95  |
| 24) 2,4-Dimethylphenol         | 9.39  | 107 | 258911 | 20.977 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.63  | 93  | 301489 | 20.532 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 9.85  | 162 | 210655 | 21.237 | ng/ul 99  |
| 28) Naphthalene                | 10.23 | 128 | 713594 | 20.930 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.36 | 127 | 224040 | 20.643 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 10.52 | 225 | 133224 | 21.033 | ng/ul 98  |
| 32) Caprolactam                | 11.13 | 113 | 67396m | 20.269 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.49 | 107 | 246697 | 21.332 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 11.86 | 142 | 503330 | 21.095 | ng/ul 96  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.24 | 216  | 249410   | 21.083 | ng/ul | 92       |
| 37) Hexachlorocyclopentadiene  | 12.22 | 237  | 107288   | 16.664 | ng/ul | 97       |
| 38) 2,4,6-Trichlorophenol      | 12.49 | 196  | 162349   | 21.078 | ng/ul | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.56 | 196  | 180316   | 21.381 | ng/ul | 99       |
| 40) 1,1'-Biphenyl              | 12.90 | 154  | 655424   | 20.706 | ng/ul | 97       |
| 41) 2-Chloronaphthalene        | 12.93 | 162  | 530316   | 21.334 | ng/ul | 98       |
| 42) 2-Nitroaniline             | 13.15 | 65   | 194226   | 21.619 | ng/ul | 93       |
| 44) Dimethylphthalate          | 13.55 | 163  | 652243   | 20.709 | ng/ul | 99       |
| 45) 2,6-Dinitrotoluene         | 13.66 | 165  | 133225   | 21.664 | ng/ul | 98       |
| 47) Acenaphthylene             | 13.79 | 152  | 832304   | 21.209 | ng/ul | 98       |
| 48) 3-Nitroaniline             | 13.99 | 138  | 118517   | 21.224 | ng/ul | 97       |
| 49) Acenaphthene               | 14.14 | 153  | 562474   | 21.083 | ng/ul | 98       |
| 50) 2,4-Dinitrophenol          | 14.22 | 184  | 66378    | 17.490 | ng/ul | 96       |
| 52) 4-Nitrophenol              | 14.32 | 109  | 106447   | 21.226 | ng/ul | 97       |
| 53) Dibenzofuran               | 14.47 | 168  | 783145   | 21.081 | ng/ul | 98       |
| 54) 2,4-Dinitrotoluene         | 14.46 | 165  | 196376   | 21.772 | ng/ul | 100      |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.72 | 232  | 149302   | 20.848 | ng/ul | 98       |
| 56) Diethylphthalate           | 14.93 | 149  | 658739   | 20.905 | ng/ul | 98       |
| 58) Fluorene                   | 15.13 | 166  | 652325   | 21.011 | ng/ul | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.13 | 204  | 315681   | 20.933 | ng/ul | 95       |
| 60) 4-Nitroaniline             | 15.16 | 138  | 146351   | 20.586 | ng/ul | 99       |
| 63) 4,6-Dinitro-2-methylphenol | 15.23 | 198  | 113995   | 19.949 | ng/ul | 98       |
| 64) N-Nitrosodiphenylamine     | 15.35 | 169  | 541829   | 21.394 | ng/ul | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.03 | 248  | 182715   | 21.882 | ng/ul | 93       |
| 66) Hexachlorobenzene          | 16.14 | 284  | 194903   | 21.293 | ng/ul | 92       |
| 67) Atrazine                   | 16.32 | 200  | 193550   | 20.837 | ng/ul | 95       |
| 68) Pentachlorophenol          | 16.49 | 266  | 113941   | 20.634 | ng/ul | 96       |
| 69) Phenanthrene               | 16.87 | 178  | 1046742  | 21.660 | ng/ul | 99       |
| 71) Anthracene                 | 16.96 | 178  | 1070518  | 21.832 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 12.86 | 216  | 270177   | 21.803 | ng/ul | 98       |
| 73) Pentachlorobenzene         | 14.40 | 250  | 257047   | 21.492 | ng/ul | 97       |
| 74) Carbazole                  | 17.24 | 167  | 909662   | 21.307 | ng/ul | 98       |
| 75) Di-n-butylphthalate        | 17.82 | 149  | 1104360  | 21.103 | ng/ul | 99       |
| 76) Fluoranthene               | 18.90 | 202  | 1189806  | 21.572 | ng/ul | 98       |
| 79) Pvrene                     | 19.26 | 202  | 1240346  | 21.167 | ng/ul | 98       |
| 80) Butylbenzylphthalate       | 20.19 | 149  | 501988   | 21.382 | ng/ul | 96       |
| 81) 3,3'-Dichlorobenzidine     | 20.96 | 252  | 344593   | 20.061 | ng/ul | 99       |
| 82) Benzo(a)anthracene         | 21.03 | 228  | 1193634  | 21.537 | ng/ul | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 20.99 | 149  | 751002   | 21.230 | ng/ul | 99       |
| 84) Chrysene                   | 21.07 | 228  | 1134313  | 20.559 | ng/ul | 99       |
| 86) Di-n-octyl phthalate       | 21.84 | 149  | 1256431  | 20.592 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.53 | 252  | 1140247  | 22.034 | ng/ul | 99       |
| 88) Benzo(k)fluoranthene       | 22.57 | 252  | 1115061  | 21.880 | ng/ul | 99       |
| 90) Benzo(a)pyrene             | 23.06 | 252  | 1027594  | 21.433 | ng/ul | 95       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.22 | 276  | 1210307  | 21.232 | ng/ul | 98       |
| 92) Dibenzo(a,h)anthracene     | 25.22 | 278  | 1031109  | 21.489 | ng/ul | 99       |
| 93) Benzo(g,h,i)perylene       | 25.83 | 276  | 998161   | 20.893 | ng/ul | 95       |

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

