

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112719\  
 Data File : BN008758.D  
 Acq On : 27 Nov 2019 15:32  
 Operator : JU  
 Sample : SSTD00552  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD00553

Quant Time: Nov 27 16:04:54 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN112719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 27 13:25:44 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 313236   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 1456799  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.21 | 164  | 1093348  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.96 | 188  | 2519280  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.16 | 240  | 2491284  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.32 | 264  | 2797557  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.18  | 96  | 12970  | 1.68 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.78  | 99  | 142083 | 5.17 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.93  | 67  | 96389  | 5.73 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 105899 | 5.02 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 117900 | 5.52 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.72  | 128 | 50426  | 5.08 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.44  | 143 | 55333  | 5.94 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.97  | 165 | 112758 | 4.74 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.48 | 131 | 138805 | 4.98 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.63 | 166 | 445404 | 5.15 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.90 | 160 | 463235 | 4.69 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.42 | 143 | 75675  | 5.64 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.21 | 176 | 374215 | 5.21 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.33 | 200 | 52728  | 5.48 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.06 | 188 | 599453 | 5.02 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.36 | 212 | 696959 | 4.90 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.19 | 264 | 728881 | 5.02 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Qvalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.22  | 88  | 16432  | 2.106 | ng/uL 86  |
| 4) Benzaldehyde                | 6.74  | 77  | 98044  | 6.229 | ng/ul 98  |
| 6) Phenol                      | 6.80  | 94  | 153779 | 5.420 | ng/ul 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.02  | 93  | 120544 | 5.538 | ng/ul 96  |
| 10) 2-Chlorophenol             | 7.16  | 128 | 108913 | 5.035 | ng/ul 97  |
| 11) 2-Methylphenol             | 8.03  | 108 | 109832 | 5.162 | ng/ul 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.12  | 45  | 233237 | 6.500 | ng/ul 98  |
| 14) Acetophenone               | 8.40  | 105 | 192914 | 5.600 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.39  | 70  | 104113 | 5.774 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.35  | 108 | 123069 | 5.354 | ng/ul 96  |
| 17) Hexachloroethane           | 8.65  | 117 | 43931  | 4.745 | ng/ul 92  |
| 20) Nitrobenzene               | 8.76  | 77  | 140124 | 5.133 | ng/ul 99  |
| 21) Isophorone                 | 9.29  | 82  | 278822 | 4.838 | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.47  | 139 | 59027  | 5.610 | ng/ul 97  |
| 24) 2,4-Dimethylphenol         | 9.54  | 107 | 144006 | 4.803 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.77  | 93  | 179736 | 5.348 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.00 | 162 | 111970 | 4.848 | ng/ul 96  |
| 28) Naphthalene                | 10.39 | 128 | 396790 | 5.177 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.50 | 127 | 137336 | 4.819 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.69 | 225 | 67277  | 4.313 | ng/ul 99  |
| 32) Caprolactam                | 11.27 | 113 | 39686  | 5.165 | ng/ul 97  |
| 33) 4-Chloro-3-methylphenol    | 11.64 | 107 | 143072 | 5.210 | ng/ul 95  |
| 34) 2-Methylnaphthalene        | 12.02 | 142 | 300704 | 5.342 | ng/ul 98  |

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 Quant Title : SVOA CALIBRATION  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216  | 148121   | 4.443 | ng/ul  | 97       |
| 37) Hexachlorocyclopentadiene  | 12.38 | 237  | 65893    | 3.332 | ng/ul  | 96       |
| 38) 2,4,6-Trichlorophenol      | 12.63 | 196  | 96678    | 4.720 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.70 | 196  | 103899   | 4.746 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.04 | 154  | 413079   | 4.904 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.07 | 162  | 314700   | 4.872 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.28 | 65   | 102806   | 5.922 | ng/ul  | 98       |
| 44) Dimethylphthalate          | 13.67 | 163  | 433449   | 5.173 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.79 | 165  | 70830    | 5.619 | ng/ul  | 88       |
| 47) Acenaphthylene             | 13.93 | 152  | 490793   | 4.925 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.11 | 138  | 72848    | 5.545 | ng/ul  | 98       |
| 49) Acenaphthene               | 14.27 | 153  | 351597   | 5.122 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.32 | 184  | 30293    | 5.234 | ng/ul  | 86       |
| 52) 4-Nitrophenol              | 14.43 | 109  | 62300    | 4.731 | ng/ul  | 95       |
| 53) Dibenzofuran               | 14.61 | 168  | 523690   | 5.280 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.57 | 165  | 108951   | 5.862 | ng/ul  | 91       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.85 | 232  | 95820    | 5.309 | ng/ul  | 97       |
| 56) Diethylphthalate           | 15.06 | 149  | 431798   | 5.010 | ng/ul  | 98       |
| 58) Fluorene                   | 15.26 | 166  | 423869   | 5.405 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.27 | 204  | 212847   | 5.453 | ng/ul  | 93       |
| 60) 4-Nitroaniline             | 15.27 | 138  | 91842    | 5.864 | ng/ul  | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.35 | 198  | 59495    | 5.538 | ng/ul# | 94       |
| 64) N-Nitrosodiphenylamine     | 15.47 | 169  | 373522   | 4.951 | ng/ul  | 96       |
| 65) 4-Bromophenyl-phenylether  | 16.16 | 248  | 119725   | 4.595 | ng/ul  | 98       |
| 66) Hexachlorobenzene          | 16.27 | 284  | 136361   | 4.948 | ng/ul  | 97       |
| 67) Atrazine                   | 16.44 | 200  | 127324   | 4.630 | ng/ul  | 95       |
| 68) Pentachlorophenol          | 16.62 | 266  | 72569    | 4.600 | ng/ul  | 94       |
| 69) Phenanthrene               | 17.00 | 178  | 708910   | 5.195 | ng/ul  | 98       |
| 71) Anthracene                 | 17.09 | 178  | 717713   | 5.147 | ng/ul  | 98       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.00 | 216  | 149676   | 4.292 | ng/uL  | 96       |
| 73) Pentachlorobenzene         | 14.53 | 250  | 162229   | 4.762 | ng/uL  | 98       |
| 74) Carbazole                  | 17.36 | 167  | 655781   | 5.263 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 17.95 | 149  | 724068   | 4.638 | ng/ul  | 98       |
| 76) Fluoranthene               | 19.02 | 202  | 838126   | 5.347 | ng/ul  | 99       |
| 79) Pyrene                     | 19.39 | 202  | 884682   | 4.961 | ng/ul  | 97       |
| 80) Butylbenzylphthalate       | 20.32 | 149  | 325285   | 4.936 | ng/ul  | 93       |
| 81) 3,3'-Dichlorobenzidine     | 21.08 | 252  | 270278   | 4.651 | ng/ul  | 100      |
| 82) Benzo(a)anthracene         | 21.14 | 228  | 895206   | 5.111 | ng/ul  | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.11 | 149  | 503981   | 4.665 | ng/ul  | 99       |
| 84) Chrysene                   | 21.20 | 228  | 840213   | 5.122 | ng/ul  | 96       |
| 86) Di-n-octyl phthalate       | 21.97 | 149  | 833427   | 4.585 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.68 | 252  | 915008   | 5.241 | ng/ul  | 98       |
| 88) Benzo(k)fluoranthene       | 22.72 | 252  | 827189   | 5.033 | ng/ul  | 98       |
| 90) Benzo(a)pyrene             | 23.22 | 252  | 852551   | 5.135 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.45 | 276  | 978903   | 5.149 | ng/ul  | 96       |
| 92) Dibenzo(a,h)anthracene     | 25.46 | 278  | 840504   | 5.264 | ng/ul  | 97       |
| 93) Benzo(g,h,i)perylene       | 26.09 | 276  | 815923   | 5.115 | ng/ul  | 98       |

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

