

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042121\  
 Data File : BN014346.D  
 Acq On : 20 Apr 2021 18:09  
 Operator : CG/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 SST02058

Manual Integrations  
 APPROVED

mohammad  
 4/21/2021 11:26:46 AM

Quant Time: Apr 20 18:42:31 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN042121MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 20 16:12:07 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 128100   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.47 | 136  | 514446   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.33 | 164  | 391557   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.07 | 188  | 811604   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.27 | 240  | 862241   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.50 | 264  | 873235   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 26991  | 8.30  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.86  | 99  | 194499 | 19.74 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.03  | 67  | 121502 | 20.61 | ng/ul | 0.01 |
| 9) 2-Chlorophenol-d4           | 7.23  | 132 | 152114 | 20.29 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.39  | 113 | 163774 | 22.32 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.84  | 128 | 76610  | 20.56 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.56  | 143 | 66641  | 20.05 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.09 | 165 | 167544 | 24.10 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.60 | 131 | 158766 | 19.05 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.74 | 166 | 528027 | 20.38 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.02 | 160 | 702127 | 20.19 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.52 | 143 | 91952  | 19.30 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.32 | 176 | 476212 | 20.50 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 65757  | 17.11 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.17 | 188 | 737805 | 20.61 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.47 | 212 | 823979 | 20.90 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.36 | 264 | 893288 | 20.72 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.26  | 88  | 26547   | 8.051  | ng/uL 99  |
| 4) Benzaldehyde                | 6.84  | 77  | 102287m | 20.272 | ng/ul     |
| 6) Phenol                      | 6.89  | 94  | 214908  | 20.289 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 7.12  | 93  | 170303  | 20.482 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.26  | 128 | 167959  | 20.632 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.13  | 108 | 156853  | 20.827 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.22  | 45  | 188835  | 20.913 | ng/ul 99  |
| 14) Acetophenone               | 8.50  | 105 | 269316  | 21.294 | ng/ul 97  |
| 15) N-Nitroso-di-n-propylamine | 8.49  | 70  | 147272  | 24.546 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.45  | 108 | 189247  | 23.063 | ng/ul 97  |
| 17) Hexachloroethane           | 8.76  | 117 | 76187   | 20.929 | ng/ul 98  |
| 20) Nitrobenzene               | 8.88  | 77  | 198750  | 20.876 | ng/ul 99  |
| 21) Isophorone                 | 9.40  | 82  | 409058  | 26.204 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.59  | 139 | 80025   | 20.243 | ng/ul 96  |
| 24) 2,4-Dimethylphenol         | 9.65  | 107 | 214663  | 24.700 | ng/ul 97  |
| 25) Bis(2-Chloroethoxy)methane | 9.89  | 93  | 236431  | 22.538 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.12 | 162 | 175200  | 23.907 | ng/ul 99  |
| 28) Naphthalene                | 10.52 | 128 | 544984  | 20.384 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.63 | 127 | 169958  | 19.383 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.81 | 225 | 100950  | 19.819 | ng/ul 96  |
| 32) Caprolactam                | 11.38 | 113 | 48498m  | 24.029 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.75 | 107 | 186202  | 27.010 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.13 | 142 | 422756  | 23.136 | ng/ul 96  |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.36 | 142  | 404900   | 22.874 | ng/ul | 93       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.51 | 216  | 229498   | 18.463 | ng/ul | 98       |
| 38) Hexachlorocyclopentadiene  | 12.49 | 237  | 121474   | 16.264 | ng/ul | 97       |
| 39) 2,4,6-Trichlorophenol      | 12.75 | 196  | 130150   | 20.008 | ng/ul | 96       |
| 40) 2,4,5-Trichlorophenol      | 12.82 | 196  | 152727   | 20.401 | ng/ul | 96       |
| 41) 1,1'-Biphenyl              | 13.16 | 154  | 582968   | 19.342 | ng/ul | 98       |
| 42) 2-Chloronaphthalene        | 13.20 | 162  | 443339   | 18.732 | ng/ul | 98       |
| 43) 2-Nitroaniline             | 13.40 | 65   | 119935   | 21.709 | ng/ul | 98       |
| 45) Dimethylphthalate          | 13.79 | 163  | 563014   | 20.856 | ng/ul | 100      |
| 46) 2,6-Dinitrotoluene         | 13.90 | 165  | 107985   | 21.692 | ng/ul | 96       |
| 48) Acenaphthylene             | 14.05 | 152  | 682465   | 20.030 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.23 | 138  | 100252   | 18.813 | ng/ul | 97       |
| 50) Acenaphthene               | 14.39 | 153  | 489846   | 19.820 | ng/ul | 98       |
| 51) 2,4-Dinitrophenol          | 14.43 | 184  | 38878    | 15.206 | ng/ul | 98       |
| 53) 4-Nitrophenol              | 14.54 | 109  | 82749    | 20.156 | ng/ul | 95       |
| 54) Dibenzofuran               | 14.73 | 168  | 698785   | 20.047 | ng/ul | 100      |
| 55) 2,4-Dinitrotoluene         | 14.69 | 165  | 158450   | 22.094 | ng/ul | 99       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.96 | 232  | 120218   | 20.860 | ng/ul | 91       |
| 57) Diethylphthalate           | 15.16 | 149  | 557568   | 21.443 | ng/ul | 99       |
| 59) Fluorene                   | 15.38 | 166  | 576368   | 20.716 | ng/ul | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.37 | 204  | 284540   | 20.606 | ng/ul | 99       |
| 61) 4-Nitroaniline             | 15.39 | 138  | 120482   | 20.007 | ng/ul | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 72915    | 18.046 | ng/ul | 95       |
| 65) N-Nitrosodiphenylamine     | 15.59 | 169  | 471792   | 20.499 | ng/ul | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.27 | 248  | 160996   | 20.012 | ng/ul | 91       |
| 67) Hexachlorobenzene          | 16.38 | 284  | 195720   | 20.438 | ng/ul | 97       |
| 68) Atrazine                   | 16.55 | 200  | 151008   | 19.254 | ng/ul | 99       |
| 69) Pentachlorophenol          | 16.73 | 266  | 87962    | 17.887 | ng/ul | 95       |
| 70) Phenanthrene               | 17.12 | 178  | 894648   | 20.278 | ng/ul | 97       |
| 72) Anthracene                 | 17.20 | 178  | 926703   | 20.810 | ng/ul | 99       |
| 73) Pentachlorobenzene         | 14.65 | 250  | 235435   | 19.731 | ng/ul | 98       |
| 74) Carbazole                  | 17.47 | 167  | 774818   | 20.053 | ng/ul | 99       |
| 75) Di-n-butylphthalate        | 18.05 | 149  | 847178   | 20.891 | ng/ul | 99       |
| 76) Fluoranthene               | 19.14 | 202  | 1032746  | 21.518 | ng/ul | 99       |
| 79) Pvrene                     | 19.50 | 202  | 1082925  | 20.756 | ng/ul | 99       |
| 80) Butylbenzylphthalate       | 20.41 | 149  | 354777   | 21.664 | ng/ul | 93       |
| 81) 3,3'-Dichlorobenzidine     | 21.19 | 252  | 253926   | 18.905 | ng/ul | 96       |
| 82) Benzo(a)anthracene         | 21.25 | 228  | 1077587  | 20.993 | ng/ul | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 578189   | 22.253 | ng/ul | 99       |
| 84) Chrysene                   | 21.30 | 228  | 1047787  | 21.052 | ng/ul | 98       |
| 86) Di-n-octyl phthalate       | 22.07 | 149  | 906554   | 19.090 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.83 | 252  | 1114306  | 21.349 | ng/ul | 99       |
| 88) Benzo(k)fluoranthene       | 22.87 | 252  | 1093152  | 20.519 | ng/ul | 97       |
| 90) Benzo(a)pyrene             | 23.40 | 252  | 995985   | 20.779 | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.74 | 276  | 1285424  | 20.424 | ng/ul | 97       |
| 92) Dibenzo(a,h)anthracene     | 25.76 | 278  | 1066598  | 20.089 | ng/ul | 99       |
| 93) Benzo(g,h,i)perylene       | 26.43 | 276  | 1044799  | 20.277 | ng/ul | 98       |

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

