

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021921\  
 Data File : BG048218.D  
 Acq On : 20 Feb 2021 00:51  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02040

Manual Integrations  
 APPROVED

mohammad  
 2/22/2021 2:08:43 PM

Quant Time: Feb 20 01:31:32 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG021321MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 19 22:42:32 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 36135    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.92 | 136  | 137932   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.74 | 164  | 103320   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.48 | 188  | 273219   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.76 | 240  | 296311   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.04 | 264  | 298286   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.51  | 96  | 6421   | 7.40  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.29  | 99  | 63679  | 20.91 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.43  | 67  | 37102  | 20.46 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.65  | 132 | 45431  | 21.26 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.83  | 113 | 47817  | 20.02 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.28  | 128 | 22304  | 21.65 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.00 | 143 | 26361  | 21.15 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.55 | 165 | 51356  | 21.04 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.06 | 131 | 58774  | 24.37 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 14.14 | 166 | 159395 | 20.83 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.43 | 160 | 197864 | 21.15 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.97 | 143 | 25958  | 19.96 | ng/ul | -0.01 |
| 58) Fluorene-d10               | 15.72 | 176 | 147067 | 21.54 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.85 | 200 | 34570  | 20.64 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.58 | 188 | 254335 | 21.71 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.86 | 212 | 311279 | 21.04 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 24.81 | 264 | 323577 | 21.26 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |        | Ovalue |           |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.54  | 88  | 7625   | 7.660  | ng/uL# 79 |
| 4) Benzaldehyde                | 7.25  | 77  | 44938  | 25.106 | ng/ul 98  |
| 6) Phenol                      | 7.32  | 94  | 64686  | 20.578 | ng/ul 93  |
| 8) Bis(2-Chloroethyl)ether     | 7.53  | 93  | 47877  | 20.168 | ng/ul 93  |
| 10) 2-Chlorophenol             | 7.68  | 128 | 46547  | 20.588 | ng/ul# 87 |
| 11) 2-Methylphenol             | 8.57  | 108 | 45606  | 20.053 | ng/ul 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.63  | 45  | 65317  | 21.051 | ng/ul 98  |
| 14) Acetophenone               | 8.94  | 105 | 80699  | 20.747 | ng/ul 96  |
| 15) N-Nitroso-di-n-propylamine | 8.91  | 70  | 45188  | 20.921 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.89  | 108 | 50156  | 20.437 | ng/ul 99  |
| 17) Hexachloroethane           | 9.20  | 117 | 20459  | 20.259 | ng/ul 93  |
| 20) Nitrobenzene               | 9.33  | 77  | 67883  | 21.631 | ng/ul 98  |
| 21) Isophorone                 | 9.84  | 82  | 116694 | 21.047 | ng/ul 98  |
| 23) 2-Nitrophenol              | 10.04 | 139 | 29478  | 23.196 | ng/ul 94  |
| 24) 2,4-Dimethylphenol         | 10.10 | 107 | 60632  | 21.560 | ng/ul 95  |
| 25) Bis(2-Chloroethoxy)methane | 10.32 | 93  | 65798  | 21.052 | ng/ul 97  |
| 27) 2,4-Dichlorophenol         | 10.58 | 162 | 52002  | 22.271 | ng/ul# 89 |
| 28) Naphthalene                | 10.98 | 128 | 150454 | 21.626 | ng/ul 97  |
| 30) 4-Chloroaniline            | 11.09 | 127 | 61477  | 24.848 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 11.25 | 225 | 43490  | 21.356 | ng/ul 94  |
| 32) Caprolactam                | 11.85 | 113 | 18456m | 22.651 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 12.22 | 107 | 57936  | 22.412 | ng/ul 93  |
| 34) 2-Methylnaphthalene        | 12.57 | 142 | 109844 | 20.772 | ng/ul 100 |

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 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 19 22:42:32 2021  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.79 | 142  | 106249   | 20.771 | ng/uL  | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216  | 78952    | 21.242 | ng/uL  | 97       |
| 38) Hexachlorocyclopentadiene  | 12.91 | 237  | 47646    | 19.884 | ng/uL  | 88       |
| 39) 2,4,6-Trichlorophenol      | 13.18 | 196  | 50103    | 21.892 | ng/uL  | 93       |
| 40) 2,4,5-Trichlorophenol      | 13.26 | 196  | 52272    | 22.474 | ng/uL  | 99       |
| 41) 1,1'-Biphenyl              | 13.57 | 154  | 149757   | 21.129 | ng/uL  | 98       |
| 42) 2-Chloronaphthalene        | 13.61 | 162  | 125494   | 21.489 | ng/uL  | 97       |
| 43) 2-Nitroaniline             | 13.83 | 65   | 46067    | 22.810 | ng/uL  | 95       |
| 45) Dimethylphthalate          | 14.18 | 163  | 168267   | 21.269 | ng/uL  | 99       |
| 46) 2,6-Dinitrotoluene         | 14.31 | 165  | 36361    | 21.853 | ng/uL  | 86       |
| 48) Acenaphthylene             | 14.46 | 152  | 179258   | 21.424 | ng/uL  | 98       |
| 49) 3-Nitroaniline             | 14.65 | 138  | 35229    | 25.120 | ng/uL  | 97       |
| 50) Acenaphthene               | 14.80 | 153  | 135444   | 21.569 | ng/uL  | 96       |
| 51) 2,4-Dinitrophenol          | 14.86 | 184  | 19491    | 18.757 | ng/uL  | 88       |
| 53) 4-Nitrophenol              | 14.98 | 109  | 31439    | 21.415 | ng/uL  | 99       |
| 54) Dibenzofuran               | 15.13 | 168  | 198803   | 21.692 | ng/uL  | 100      |
| 55) 2,4-Dinitrotoluene         | 15.10 | 165  | 53562    | 22.411 | ng/uL  | 99       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.37 | 232  | 51881    | 21.819 | ng/uL  | 99       |
| 57) Diethylphthalate           | 15.54 | 149  | 175232   | 21.457 | ng/uL  | 99       |
| 59) Fluorene                   | 15.78 | 166  | 161077   | 21.740 | ng/uL  | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.77 | 204  | 97383    | 21.909 | ng/uL  | 99       |
| 61) 4-Nitroaniline             | 15.81 | 138  | 37728    | 23.897 | ng/uL  | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 15.86 | 198  | 34783    | 20.837 | ng/uL# | 92       |
| 65) N-Nitrosodiphenylamine     | 15.99 | 169  | 144423   | 20.595 | ng/uL  | 94       |
| 66) 4-Bromophenyl-phenylether  | 16.66 | 248  | 65358    | 20.238 | ng/uL  | 97       |
| 67) Hexachlorobenzene          | 16.79 | 284  | 71706    | 20.947 | ng/uL  | 97       |
| 68) Atrazine                   | 16.93 | 200  | 69821    | 22.266 | ng/uL  | 98       |
| 69) Pentachlorophenol          | 17.14 | 266  | 34052    | 17.815 | ng/uL  | 95       |
| 70) Phenanthrene               | 17.52 | 178  | 295786   | 21.547 | ng/uL  | 98       |
| 72) Anthracene                 | 17.62 | 178  | 302221   | 21.825 | ng/uL  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.54 | 216  | 82667    | 20.250 | ng/uL  | 95       |
| 74) Pentachlorobenzene         | 15.05 | 250  | 81052    | 20.248 | ng/uL  | 97       |
| 75) Carbazole                  | 17.89 | 167  | 268021   | 23.144 | ng/uL  | 98       |
| 76) Di-n-butylphthalate        | 18.43 | 149  | 320004   | 22.654 | ng/uL  | 98       |
| 77) Fluoranthene               | 19.53 | 202  | 398229   | 23.793 | ng/uL  | 98       |
| 80) Pvrene                     | 19.89 | 202  | 394119   | 21.408 | ng/uL  | 98       |
| 81) Butylbenzylphthalate       | 20.76 | 149  | 143251   | 22.237 | ng/uL  | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.65 | 252  | 141170   | 23.286 | ng/uL  | 100      |
| 83) Benzo(a)anthracene         | 21.73 | 228  | 400311   | 21.624 | ng/uL  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.62 | 149  | 203795   | 21.787 | ng/uL  | 99       |
| 85) Chrysene                   | 21.80 | 228  | 387654   | 21.911 | ng/uL  | 99       |
| 87) Di-n-octyl phthalate       | 22.85 | 149  | 348170   | 22.731 | ng/uL  | 100      |
| 88) Benzo(b)fluoranthene       | 23.99 | 252  | 400783   | 21.397 | ng/uL  | 99       |
| 89) Benzo(k)fluoranthene       | 24.06 | 252  | 397739   | 21.681 | ng/uL  | 94       |
| 91) Benzo(a)pyrene             | 24.88 | 252  | 354462   | 21.507 | ng/uL  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 28.79 | 276  | 446848   | 21.194 | ng/uL  | 100      |
| 93) Dibenzo(a,h)anthracene     | 28.84 | 278  | 381973m  | 21.665 | ng/uL  |          |
| 94) Benzo(a,h,i)perylene       | 29.95 | 276  | 367186m  | 20.943 | ng/uL  |          |

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Acq On : 20 Feb 2021 00:51  
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Sample : SSTDCCC020  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SSTD02040

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Quant Time: Feb 20 01:31:32 2021  
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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 19 22:42:32 2021  
Response via : Initial Calibration

| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

