

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120720\  
 Data File : BG047624.D  
 Acq On : 7 Dec 2020 19:26  
 Operator : CG/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SSTDC0020

Manual Integrations  
 APPROVED

mohammad  
 12/9/2020 12:18:43 PM

Quant Time: Dec 08 04:11:44 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Dec 07 18:31:37 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.22  | 152  | 28218    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.05 | 136  | 103383   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.83 | 164  | 85093    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.57 | 188  | 214410   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.85 | 240  | 206271   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.21 | 264  | 220188   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.53  | 96  | 4143   | 7.82  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.35  | 99  | 43381  | 17.96 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.53  | 67  | 24713  | 19.91 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.74  | 132 | 33714  | 18.41 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.91  | 113 | 34012  | 17.74 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.38  | 128 | 16256  | 19.28 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.11 | 143 | 19590  | 19.28 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.65 | 165 | 42723  | 19.36 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.16 | 131 | 34727  | 17.14 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.23 | 166 | 132035 | 17.86 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.53 | 160 | 154452 | 18.30 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 15.00 | 143 | 19456  | 17.75 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.82 | 176 | 124284 | 18.27 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.93 | 200 | 27410  | 18.89 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.67 | 188 | 202141 | 18.90 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.94 | 212 | 239966 | 19.68 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.98 | 264 | 238506 | 18.54 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.57  | 88  | 4348   | 7.956  | ng/uL# 62 |
| 4) Benzaldehyde                | 7.35  | 77  | 23177  | 18.085 | ng/ul# 78 |
| 6) Phenol                      | 7.37  | 94  | 43867  | 19.226 | ng/ul# 86 |
| 8) Bis(2-Chloroethyl)ether     | 7.62  | 93  | 28408  | 17.894 | ng/ul 95  |
| 10) 2-Chlorophenol             | 7.77  | 128 | 32531  | 18.041 | ng/ul# 73 |
| 11) 2-Methylphenol             | 8.64  | 108 | 34755  | 19.163 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.74  | 45  | 27950  | 18.798 | ng/ul# 88 |
| 14) Acetophenone               | 9.04  | 105 | 57196  | 18.913 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 9.02  | 70  | 30267  | 18.110 | ng/ul# 96 |
| 16) 4-Methylphenol             | 8.97  | 108 | 35848  | 18.504 | ng/ul# 71 |
| 17) Hexachloroethane           | 9.32  | 117 | 17552  | 19.910 | ng/ul 95  |
| 20) Nitrobenzene               | 9.43  | 77  | 51063  | 19.143 | ng/ul# 94 |
| 21) Isophorone                 | 9.95  | 82  | 90205  | 19.680 | ng/ul 97  |
| 23) 2-Nitrophenol              | 10.15 | 139 | 20015  | 19.263 | ng/ul 88  |
| 24) 2,4-Dimethylphenol         | 10.19 | 107 | 45420  | 18.251 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 10.43 | 93  | 40698  | 19.385 | ng/ul 92  |
| 27) 2,4-Dichlorophenol         | 10.68 | 162 | 37782  | 20.250 | ng/ul 98  |
| 28) Naphthalene                | 11.09 | 128 | 110163 | 19.109 | ng/ul 98  |
| 30) 4-Chloroaniline            | 11.19 | 127 | 31438  | 16.792 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 11.38 | 225 | 38932  | 19.108 | ng/ul 95  |
| 32) Caprolactam                | 11.94 | 113 | 12132m | 19.301 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 12.29 | 107 | 42166  | 18.562 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.68 | 142 | 83827  | 18.874 | ng/ul 92  |

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 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SSTD02032

Manual Integrations  
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 Quant Title : SVOA CALIBRATION  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.90 | 142  | 99411    | 19.305 | ng/uL  | 100      |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.04 | 216  | 62814    | 18.575 | ng/uL  | 96       |
| 38) Hexachlorocyclopentadiene  | 13.03 | 237  | 46131    | 19.537 | ng/uL  | 94       |
| 39) 2,4,6-Trichlorophenol      | 13.27 | 196  | 39936    | 18.086 | ng/uL  | 95       |
| 40) 2,4,5-Trichlorophenol      | 13.35 | 196  | 42606    | 18.655 | ng/uL  | 91       |
| 41) 1,1'-Biphenyl              | 13.67 | 154  | 119299   | 18.625 | ng/uL  | 88       |
| 42) 2-Chloronaphthalene        | 13.72 | 162  | 92390    | 17.814 | ng/uL  | 96       |
| 43) 2-Nitroaniline             | 13.91 | 65   | 33369    | 18.005 | ng/uL  | 92       |
| 45) Dimethylphthalate          | 14.28 | 163  | 135670   | 18.120 | ng/uL  | 99       |
| 46) 2,6-Dinitrotoluene         | 14.40 | 165  | 27693    | 17.290 | ng/uL  | 95       |
| 48) Acenaphthylene             | 14.56 | 152  | 137731   | 17.588 | ng/uL# | 97       |
| 49) 3-Nitroaniline             | 14.72 | 138  | 16861    | 15.429 | ng/uL# | 87       |
| 50) Acenaphthene               | 14.90 | 153  | 100898   | 18.229 | ng/uL  | 98       |
| 51) 2,4-Dinitrophenol          | 14.94 | 184  | 16357    | 17.689 | ng/uL# | 73       |
| 53) 4-Nitrophenol              | 15.02 | 109  | 35042    | 19.423 | ng/uL  | 97       |
| 54) Dibenzofuran               | 15.23 | 168  | 144849   | 17.936 | ng/uL  | 89       |
| 55) 2,4-Dinitrotoluene         | 15.18 | 165  | 40578    | 17.955 | ng/uL  | 99       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.45 | 232  | 39687    | 18.575 | ng/uL  | 96       |
| 57) Diethylphthalate           | 15.63 | 149  | 132801   | 18.172 | ng/uL  | 100      |
| 59) Fluorene                   | 15.88 | 166  | 125646   | 18.196 | ng/uL  | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.86 | 204  | 77885    | 18.048 | ng/uL  | 99       |
| 61) 4-Nitroaniline             | 15.88 | 138  | 20304    | 16.653 | ng/uL# | 74       |
| 64) 4,6-Dinitro-2-methylphenol | 15.94 | 198  | 26207    | 17.909 | ng/uL# | 96       |
| 65) N-Nitrosodiphenylamine     | 16.08 | 169  | 113074   | 19.132 | ng/uL# | 91       |
| 66) 4-Bromophenyl-phenylether  | 16.76 | 248  | 53962    | 19.516 | ng/uL  | 98       |
| 67) Hexachlorobenzene          | 16.88 | 284  | 58394    | 19.364 | ng/uL  | 100      |
| 68) Atrazine                   | 17.01 | 200  | 51197    | 18.697 | ng/uL  | 93       |
| 69) Pentachlorophenol          | 17.22 | 266  | 20919    | 16.044 | ng/uL  | 96       |
| 70) Phenanthrene               | 17.62 | 178  | 220228   | 18.951 | ng/uL  | 98       |
| 72) Anthracene                 | 17.71 | 178  | 218213   | 18.838 | ng/uL  | 94       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.64 | 216  | 63876    | 19.012 | ng/uL  | 96       |
| 74) Pentachlorobenzene         | 15.15 | 250  | 64050    | 19.124 | ng/uL  | 98       |
| 75) Carbazole                  | 17.97 | 167  | 180893   | 19.582 | ng/uL  | 98       |
| 76) Di-n-butylphthalate        | 18.51 | 149  | 224106   | 18.991 | ng/uL  | 98       |
| 77) Fluoranthene               | 19.61 | 202  | 297918   | 20.148 | ng/uL  | 99       |
| 80) Pvrene                     | 19.97 | 202  | 287119   | 19.139 | ng/uL# | 98       |
| 81) Butylbenzylphthalate       | 20.84 | 149  | 94998    | 19.032 | ng/uL  | 94       |
| 82) 3,3'-Dichlorobenzidine     | 21.73 | 252  | 87027    | 18.462 | ng/uL  | 96       |
| 83) Benzo(a)anthracene         | 21.83 | 228  | 284095   | 19.278 | ng/uL  | 97       |
| 84) Bis(2-ethylhexyl)phthalate | 21.72 | 149  | 133946   | 19.120 | ng/uL  | 93       |
| 85) Chrysene                   | 21.90 | 228  | 273071   | 19.633 | ng/uL  | 98       |
| 87) Di-n-octyl phthalate       | 22.97 | 149  | 222367   | 19.163 | ng/uL  | 100      |
| 88) Benzo(b)fluoranthene       | 24.13 | 252  | 296181m  | 19.269 | ng/uL  |          |
| 89) Benzo(k)fluoranthene       | 24.21 | 252  | 286040   | 18.778 | ng/uL# | 98       |
| 91) Benzo(a)pyrene             | 25.05 | 252  | 259758   | 18.740 | ng/uL  | 98       |
| 92) Indeno(1,2,3-cd)pyrene     | 29.06 | 276  | 314866m  | 18.627 | ng/uL  |          |
| 93) Dibenzo(a,h)anthracene     | 29.14 | 278  | 263352m  | 18.587 | ng/uL  |          |
| 94) Benzo(a,h,i)perylene       | 30.27 | 276  | 259296m  | 18.684 | ng/uL  |          |

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Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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

