

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031521\  
 Data File : BG048383.D  
 Acq On : 15 Mar 2021 14:05  
 Operator : CG/JU  
 Sample : SSTDC0020EC  
 Misc : SFAM-MDL-MES-BL02  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SSTD020013

Manual Integrations  
 APPROVED

mohammad  
 3/16/2021 11:16:32 AM

Quant Time: Mar 15 15:52:39 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG031121.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Mar 15 10:45:12 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.12  | 152  | 49304    | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.94 | 136  | 185371   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.76 | 164  | 145242   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.51 | 188  | 371255   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.80 | 240  | 385149   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 25.15 | 264  | 391417   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.50  | 96  | 7646   | 6.72  | ng/uL | 0.00 |
| 4) Pyridine-d5                 | 3.92  | 84  | 59939  | 17.21 | ng/ul | 0.00 |
| 7) Phenol-d5                   | 7.26  | 99  | 72964  | 17.03 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d  | 7.44  | 67  | 45280  | 17.12 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4          | 7.64  | 132 | 50596  | 17.00 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8          | 8.81  | 113 | 56427  | 16.06 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5            | 9.28  | 128 | 24639  | 19.20 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4           | 10.01 | 143 | 26151  | 18.61 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3      | 10.55 | 165 | 62914  | 18.22 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4         | 11.07 | 131 | 74823  | 17.21 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6       | 14.16 | 166 | 212325 | 17.77 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8          | 14.45 | 160 | 229420 | 17.49 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4           | 14.93 | 143 | 32843  | 18.46 | ng/ul | 0.00 |
| 60) Fluorene-d10               | 15.75 | 176 | 189172 | 17.94 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.86 | 200 | 31113  | 16.40 | ng/ul | 0.00 |
| 73) Anthracene-d10             | 17.61 | 188 | 308160 | 18.17 | ng/ul | 0.00 |
| 81) Pyrene-d10                 | 19.89 | 212 | 369744 | 18.77 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12         | 24.92 | 264 | 389104 | 18.34 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.54  | 88  | 8753   | 7.665  | ng/uL# 82 |
| 5) Pyridine                    | 3.95  | 79  | 58148  | 16.710 | ng/ul 95  |
| 6) Benzaldehyde                | 7.25  | 77  | 58970  | 21.802 | ng/ul 93  |
| 8) Phenol                      | 7.28  | 94  | 78798  | 17.401 | ng/ul 93  |
| 10) Bis(2-Chloroethyl)ether    | 7.53  | 93  | 58600  | 17.745 | ng/ul 98  |
| 12) 2-Chlorophenol             | 7.68  | 128 | 54778  | 17.338 | ng/ul 97  |
| 13) 2-Methylphenol             | 8.55  | 108 | 57842  | 17.074 | ng/ul 86  |
| 14) 2,2'-oxybis(1-Chloropropan | 8.65  | 45  | 69275  | 17.755 | ng/ul 95  |
| 16) Acetophenone               | 8.94  | 105 | 98801  | 17.152 | ng/ul 94  |
| 17) N-Nitroso-di-n-propylamine | 8.92  | 70  | 59057  | 17.292 | ng/ul 92  |
| 18) 4-Methylphenol             | 8.88  | 108 | 60227  | 16.934 | ng/ul 95  |
| 19) Hexachloroethane           | 9.21  | 117 | 26419  | 17.945 | ng/ul 83  |
| 22) Nitrobenzene               | 9.32  | 77  | 83807  | 19.806 | ng/ul 99  |
| 23) Isophorone                 | 9.85  | 82  | 156472 | 17.890 | ng/ul# 95 |
| 25) 2-Nitrophenol              | 10.05 | 139 | 31065  | 19.412 | ng/ul# 82 |
| 26) 2,4-Dimethylphenol         | 10.09 | 107 | 77687  | 18.449 | ng/ul 98  |
| 27) Bis(2-Chloroethoxy)methane | 10.34 | 93  | 80831  | 18.358 | ng/ul 95  |
| 29) 2,4-Dichlorophenol         | 10.58 | 162 | 59068  | 18.312 | ng/ul 97  |
| 30) Naphthalene                | 10.99 | 128 | 183229 | 18.704 | ng/ul 97  |
| 32) 4-Chloroaniline            | 11.09 | 127 | 79682  | 18.632 | ng/ul 92  |
| 33) Hexachlorobutadiene        | 11.28 | 225 | 58321  | 19.008 | ng/ul 95  |
| 34) Caprolactam                | 11.86 | 113 | 22576m | 18.370 | ng/ul     |

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 Misc : SFAM-MDL-MES-BL02  
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG031121.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Mar 15 10:45:12 2021  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 4-Chloro-3-methylphenol    | 12.20 | 107  | 68071    | 17.993 | ng/ul  | 98       |
| 36) 2-Methylnaphthalene        | 12.59 | 142  | 141072   | 18.669 | ng/ul  | 90       |
| 37) 1-Methylnaphthalene        | 12.81 | 142  | 138758   | 18.540 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.96 | 216  | 103267   | 18.678 | ng/ul  | 88       |
| 40) Hexachlorocyclopentadiene  | 12.94 | 237  | 70263    | 17.501 | ng/ul  | 93       |
| 41) 2,4,6-Trichlorophenol      | 13.18 | 196  | 60899    | 17.899 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol      | 13.26 | 196  | 66881    | 18.313 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl              | 13.60 | 154  | 189420   | 17.625 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene        | 13.64 | 162  | 147200   | 17.485 | ng/ul  | 98       |
| 45) 2-Nitroaniline             | 13.83 | 65   | 52755    | 20.286 | ng/ul  | 94       |
| 47) Dimethylphthalate          | 14.21 | 163  | 217289   | 18.005 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene         | 14.32 | 165  | 40785    | 19.732 | ng/ul  | 94       |
| 50) Acenaphthylene             | 14.48 | 152  | 227883   | 18.112 | ng/ul# | 96       |
| 51) 3-Nitroaniline             | 14.65 | 138  | 37532    | 18.887 | ng/ul# | 89       |
| 52) Acenaphthene               | 14.82 | 153  | 164932   | 17.676 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol          | 14.85 | 184  | 24607    | 17.895 | ng/ul  | 92       |
| 55) 4-Nitrophenol              | 14.94 | 109  | 46214    | 19.610 | ng/ul  | 87       |
| 56) Dibenzofuran               | 15.16 | 168  | 233930   | 17.650 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene         | 15.11 | 165  | 58566    | 19.698 | ng/ul# | 86       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.38 | 232  | 65274    | 18.907 | ng/ul# | 93       |
| 59) Diethylphthalate           | 15.57 | 149  | 212923   | 17.653 | ng/ul  | 99       |
| 61) Fluorene                   | 15.81 | 166  | 205441   | 18.209 | ng/ul  | 95       |
| 62) 4-Chlorophenyl-phenylether | 15.80 | 204  | 122339   | 17.876 | ng/ul  | 95       |
| 63) 4-Nitroaniline             | 15.81 | 138  | 43178    | 20.868 | ng/ul  | 90       |
| 66) 4,6-Dinitro-2-methylphenol | 15.87 | 198  | 35714    | 17.929 | ng/ul# | 97       |
| 67) N-Nitrosodiphenylamine     | 16.01 | 169  | 184501   | 17.942 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether  | 16.69 | 248  | 85305    | 18.066 | ng/ul# | 94       |
| 69) Hexachlorobenzene          | 16.81 | 284  | 92478    | 18.636 | ng/ul  | 96       |
| 70) Atrazine                   | 16.95 | 200  | 84693    | 18.301 | ng/ul  | 90       |
| 71) Pentachlorophenol          | 17.15 | 266  | 53352    | 16.947 | ng/ul  | 97       |
| 72) Phenanthrene               | 17.55 | 178  | 351584   | 18.651 | ng/ul  | 98       |
| 74) Anthracene                 | 17.64 | 178  | 358540   | 18.489 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.56 | 216  | 104544   | 17.961 | ng/uL  | 97       |
| 76) Pentachlorobenzene         | 15.08 | 250  | 110647   | 18.148 | ng/uL  | 98       |
| 77) Carbazole                  | 17.91 | 167  | 305537   | 18.596 | ng/ul  | 98       |
| 78) Di-n-butylphthalate        | 18.47 | 149  | 360753   | 17.543 | ng/ul  | 98       |
| 80) Fluoranthene               | 19.56 | 202  | 470702   | 19.259 | ng/ul  | 99       |
| 82) Pyrene                     | 19.92 | 202  | 470564   | 19.280 | ng/ul  | 100      |
| 83) Butylbenzylphthalate       | 20.81 | 149  | 156018   | 17.874 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine     | 21.69 | 252  | 176769   | 18.738 | ng/ul# | 97       |
| 85) Benzo(a)anthracene         | 21.79 | 228  | 471634   | 18.534 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phthalate | 21.69 | 149  | 225898   | 17.753 | ng/ul  | 97       |
| 87) Chrysene                   | 21.85 | 228  | 448737   | 18.441 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate       | 22.95 | 149  | 379218   | 17.799 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene       | 24.08 | 252  | 486530   | 18.793 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene       | 24.15 | 252  | 468299   | 18.407 | ng/ul  | 98       |
| 93) Benzo(a)pyrene             | 24.99 | 252  | 418247   | 18.390 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene     | 28.98 | 276  | 547139m  | 18.702 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene     | 29.05 | 278  | 452699   | 19.033 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene       | 30.18 | 276  | 451699   | 19.049 | ng/ul  | 95       |

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Misc : SFAM-MDL-MES-BL02  
ALS Vial : 2 Sample Multiplier: 1

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

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

