

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113020\  
 Data File : BG047482.D  
 Acq On : 30 Nov 2020 9:42  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020064

Manual Integrations  
 APPROVED

mohammad  
 12/1/2020 10:42:16 AM

Quant Time: Nov 30 10:54:38 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG111820.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Nov 30 10:51:47 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.27  | 152  | 27611    | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 11.09 | 136  | 108100   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.88 | 164  | 85097    | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.62 | 188  | 214948   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.90 | 240  | 215869   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 25.31 | 264  | 233094   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.61  | 96  | 4752   | 6.82  | ng/uL | 0.00 |
| 4) Pyridine-d5                 | 4.04  | 84  | 36578  | 17.10 | ng/ul | 0.00 |
| 7) Phenol-d5                   | 7.40  | 99  | 47978  | 18.13 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d  | 7.58  | 67  | 25994  | 16.79 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4          | 7.79  | 132 | 37979  | 21.03 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8          | 8.95  | 113 | 37835  | 18.41 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5            | 9.44  | 128 | 16456  | 18.34 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4           | 10.16 | 143 | 19539  | 20.81 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3      | 10.70 | 165 | 43553  | 20.16 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4         | 11.22 | 131 | 50151  | 18.80 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6       | 14.27 | 166 | 143866 | 20.22 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8          | 14.58 | 160 | 161670 | 19.91 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4           | 15.04 | 143 | 21150  | 20.35 | ng/ul | 0.00 |
| 60) Fluorene-d10               | 15.86 | 176 | 130864 | 20.35 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.96 | 200 | 23116  | 20.30 | ng/ul | 0.00 |
| 73) Anthracene-d10             | 17.72 | 188 | 213198 | 20.49 | ng/ul | 0.00 |
| 81) Pyrene-d10                 | 19.98 | 212 | 241418 | 19.82 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12         | 25.06 | 264 | 256281 | 19.94 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.64  | 88  | 5332   | 6.614  | ng/uL# 69 |
| 5) Pyridine                    | 4.06  | 79  | 35973  | 17.304 | ng/ul 86  |
| 6) Benzaldehyde                | 7.39  | 77  | 26637  | 20.336 | ng/ul 91  |
| 8) Phenol                      | 7.43  | 94  | 44500  | 17.308 | ng/ul 94  |
| 10) Bis(2-Chloroethyl)ether    | 7.67  | 93  | 33220  | 17.491 | ng/ul 94  |
| 12) 2-Chlorophenol             | 7.83  | 128 | 36681  | 20.199 | ng/ul# 92 |
| 13) 2-Methylphenol             | 8.70  | 108 | 35951  | 18.121 | ng/ul 93  |
| 14) 2,2'-oxybis(1-Chloropropan | 8.80  | 45  | 33550  | 15.914 | ng/ul# 93 |
| 16) Acetophenone               | 9.09  | 105 | 58341  | 17.322 | ng/ul# 85 |
| 17) N-Nitroso-di-n-propylamine | 9.07  | 70  | 36885  | 18.227 | ng/ul# 89 |
| 18) 4-Methylphenol             | 9.03  | 108 | 39259  | 18.344 | ng/ul 94  |
| 19) Hexachloroethane           | 9.37  | 117 | 18446  | 22.048 | ng/ul 95  |
| 22) Nitrobenzene               | 9.48  | 77  | 55297  | 19.930 | ng/ul 97  |
| 23) Isophorone                 | 10.00 | 82  | 100349 | 18.220 | ng/ul# 92 |
| 25) 2-Nitrophenol              | 10.19 | 139 | 22931  | 22.612 | ng/ul 95  |
| 26) 2,4-Dimethylphenol         | 10.24 | 107 | 52286  | 19.618 | ng/ul 94  |
| 27) Bis(2-Chloroethoxy)methane | 10.48 | 93  | 45183  | 16.870 | ng/ul 95  |
| 29) 2,4-Dichlorophenol         | 10.73 | 162 | 40728  | 20.732 | ng/ul 98  |
| 30) Naphthalene                | 11.15 | 128 | 121872 | 20.115 | ng/ul 96  |
| 32) 4-Chloroaniline            | 11.24 | 127 | 46894  | 18.478 | ng/ul 92  |
| 33) Hexachlorobutadiene        | 11.43 | 225 | 41821  | 22.577 | ng/ul# 86 |
| 34) Caprolactam                | 11.98 | 113 | 14165m | 19.018 | ng/ul     |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 4-Chloro-3-methylphenol    | 12.33 | 107  | 47428    | 19.123 | ng/ul  | 99       |
| 36) 2-Methylnaphthalene        | 12.73 | 142  | 90955    | 19.813 | ng/ul  | 89       |
| 37) 1-Methylnaphthalene        | 12.94 | 142  | 87000    | 19.612 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.09 | 216  | 67783    | 20.610 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene  | 13.07 | 237  | 40992    | 17.553 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol      | 13.32 | 196  | 39877    | 19.748 | ng/ul  | 93       |
| 42) 2,4,5-Trichlorophenol      | 13.39 | 196  | 44892    | 21.098 | ng/ul  | 93       |
| 43) 1,1'-Biphenyl              | 13.72 | 154  | 129240   | 20.251 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene        | 13.77 | 162  | 101482   | 19.934 | ng/ul# | 91       |
| 45) 2-Nitroaniline             | 13.95 | 65   | 34361    | 19.706 | ng/ul# | 89       |
| 47) Dimethylphthalate          | 14.32 | 163  | 145042   | 20.019 | ng/ul  | 97       |
| 48) 2,6-Dinitrotoluene         | 14.44 | 165  | 27813    | 20.519 | ng/ul# | 97       |
| 50) Acenaphthylene             | 14.61 | 152  | 153265   | 20.099 | ng/ul  | 98       |
| 51) 3-Nitroaniline             | 14.77 | 138  | 21023    | 18.847 | ng/ul# | 90       |
| 52) Acenaphthene               | 14.94 | 153  | 106696   | 19.458 | ng/ul  | 93       |
| 53) 2,4-Dinitrophenol          | 14.97 | 184  | 10816    | 15.591 | ng/ul# | 93       |
| 55) 4-Nitrophenol              | 15.06 | 109  | 34762    | 23.041 | ng/ul  | 86       |
| 56) Dibenzofuran               | 15.28 | 168  | 156450   | 19.977 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene         | 15.22 | 165  | 41688    | 21.950 | ng/ul  | 90       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.49 | 232  | 42838    | 21.838 | ng/ul# | 96       |
| 59) Diethylphthalate           | 15.67 | 149  | 141007   | 19.337 | ng/ul  | 96       |
| 61) Fluorene                   | 15.92 | 166  | 136537   | 20.368 | ng/ul  | 94       |
| 62) 4-Chlorophenyl-phenylether | 15.91 | 204  | 84683    | 20.823 | ng/ul  | 93       |
| 63) 4-Nitroaniline             | 15.92 | 138  | 22124    | 19.812 | ng/ul  | 85       |
| 66) 4,6-Dinitro-2-methylphenol | 15.98 | 198  | 22861    | 19.014 | ng/ul# | 92       |
| 67) N-Nitrosodiphenylamine     | 16.12 | 169  | 122314   | 20.003 | ng/ul  | 89       |
| 68) 4-Bromophenyl-phenylether  | 16.80 | 248  | 59116    | 21.918 | ng/ul  | 94       |
| 69) Hexachlorobenzene          | 16.92 | 284  | 63283    | 22.000 | ng/ul  | 96       |
| 70) Atrazine                   | 17.05 | 200  | 53911    | 19.826 | ng/ul  | 98       |
| 71) Pentachlorophenol          | 17.26 | 266  | 26524    | 17.077 | ng/ul  | 94       |
| 72) Phenanthrene               | 17.66 | 178  | 236475   | 20.649 | ng/ul  | 96       |
| 74) Anthracene                 | 17.75 | 178  | 242312   | 20.974 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.69 | 216  | 69262    | 20.548 | ng/uL  | 96       |
| 76) Pentachlorobenzene         | 15.19 | 250  | 69952    | 21.066 | ng/uL  | 96       |
| 77) Carbazole                  | 18.01 | 167  | 191329   | 20.496 | ng/ul  | 97       |
| 78) Di-n-butylphthalate        | 18.56 | 149  | 229640   | 18.881 | ng/ul# | 98       |
| 80) Fluoranthene               | 19.65 | 202  | 308593   | 20.047 | ng/ul# | 95       |
| 82) Pyrene                     | 20.01 | 202  | 305564   | 20.067 | ng/ul# | 95       |
| 83) Butylbenzylphthalate       | 20.88 | 149  | 100734   | 18.766 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine     | 21.78 | 252  | 105620   | 19.394 | ng/ul  | 98       |
| 85) Benzo(a)anthracene         | 21.88 | 228  | 298947   | 19.809 | ng/ul  | 96       |
| 86) Bis(2-ethylhexyl)phthalate | 21.76 | 149  | 145754   | 19.483 | ng/ul# | 98       |
| 87) Chrysene                   | 21.95 | 228  | 289761   | 19.999 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate       | 23.04 | 149  | 243706   | 18.916 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene       | 24.21 | 252  | 320210   | 19.802 | ng/ul# | 96       |
| 91) Benzo(k)fluoranthene       | 24.28 | 252  | 315374   | 20.298 | ng/ul# | 99       |
| 93) Benzo(a)pyrene             | 25.14 | 252  | 283566   | 19.743 | ng/ul# | 98       |
| 94) Indeno(1,2,3-cd)pyrene     | 29.20 | 276  | 349678m  | 20.169 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene     | 29.27 | 278  | 287425   | 20.173 | ng/ul  | 95       |
| 96) Benzo(g,h,i)perylene       | 30.43 | 276  | 288780m  | 20.098 | ng/ul  |          |

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

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

