

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102023\  
 Data File : BG059505.D  
 Acq On : 20 Oct 2023 17:37  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020458

Quant Time: Oct 20 18:12:47 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG101923.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 20 03:52:07 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/23/2023  
 Supervised By :mohammad ahmed 10/23/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.189  | 152  | 41125    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 11.027 | 136  | 199269   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.828 | 164  | 132029   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.578 | 188  | 297932   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.873 | 240  | 280551   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 25.310 | 264  | 327963   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.477  | 96   | 10247    | 7.860  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.911  | 84   | 108523   | 24.242 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.313  | 99   | 92962    | 22.685 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.507  | 67   | 58019    | 24.700 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.701  | 132  | 69218    | 21.146 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.882  | 113  | 71423    | 20.231 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.387  | 128  | 34757    | 17.873 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.104 | 143  | 50530    | 26.398 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.627 | 165  | 93857    | 26.503 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.173 | 131  | 109167   | 20.760 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.223 | 166  | 225134   | 17.560 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.528 | 160  | 264873   | 17.946 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.022 | 143  | 39165    | 18.622 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.815 | 176  | 205238   | 18.747 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.933 | 200  | 40459    | 20.192 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.678 | 188  | 321842   | 19.617 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.951 | 212  | 371445   | 20.178 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.069 | 264  | 368832   | 19.652 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.512  | 88   | 11486    | 7.744  | ng/uL# | 91       |
| 5) Pyridine                   | 3.929  | 79   | 109288   | 23.566 | ng/ul  | 95       |
| 6) Benzaldehyde               | 7.331  | 77   | 52794    | 28.615 | ng/ul  | 96       |
| 8) Phenol                     | 7.343  | 94   | 90345    | 22.298 | ng/ul  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.601  | 93   | 74030    | 21.165 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.736  | 128  | 69020    | 20.913 | ng/ul# | 89       |
| 13) 2-Methylphenol            | 8.612  | 108  | 69853    | 20.284 | ng/ul  | 88       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.694  | 45   | 157689m  | 20.232 | ng/ul  |          |
| 16) Acetophenone              | 9.029  | 105  | 108844   | 20.422 | ng/ul  | 91       |
| 17) N-Nitroso-di-n-propyla... | 8.994  | 70   | 52728    | 19.043 | ng/ul  | 91       |
| 18) 4-Methylphenol            | 8.947  | 108  | 76769    | 20.622 | ng/ul  | 98       |
| 19) Hexachloroethane          | 9.264  | 117  | 27442    | 20.211 | ng/ul  | 92       |
| 22) Nitrobenzene              | 9.428  | 77   | 77441    | 17.297 | ng/ul# | 90       |
| 23) Isophorone                | 9.934  | 82   | 160719   | 18.716 | ng/ul  | 97       |
| 25) 2-Nitrophenol             | 10.133 | 139  | 48747    | 24.195 | ng/ul  | 95       |
| 26) 2,4-Dimethylphenol        | 10.163 | 107  | 99244    | 25.935 | ng/ul  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.421 | 93   | 158122   | 29.626 | ng/ul  | 97       |
| 29) 2,4-Dichlorophenol        | 10.656 | 162  | 90743    | 25.494 | ng/ul  | 95       |
| 30) Naphthalene               | 11.079 | 128  | 242942   | 19.401 | ng/ul  | 95       |
| 32) 4-Chloroaniline           | 11.203 | 127  | 103443   | 20.733 | ng/ul  | 94       |
| 33) Hexachlorobutadiene       | 11.309 | 225  | 43742    | 19.159 | ng/ul  | 96       |
| 34) Caprolactam               | 11.984 | 113  | 22959m   | 20.583 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.284 | 107  | 71028    | 20.301 | ng/ul  | 98       |
| 36) 2-Methylnaphthalene       | 12.672 | 142  | 161035   | 19.485 | ng/ul  | 97       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.889 | 142  | 164086   | 19.480 | ng/ul# | 93       |
| 39) 1,2,4,5-Tetrachloroben... | 13.018 | 216  | 84505    | 18.996 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.965 | 237  | 48481    | 19.551 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 13.259 | 196  | 53632    | 19.640 | ng/ul  | 89       |
| 42) 2,4,5-Trichlorophenol     | 13.330 | 196  | 60595    | 19.403 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.665 | 154  | 231404   | 18.707 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.718 | 162  | 176220   | 18.119 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.935 | 65   | 53827    | 16.975 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 14.270 | 163  | 223490   | 17.656 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.417 | 165  | 43486    | 17.452 | ng/ul  | 94       |
| 50) Acenaphthylene            | 14.558 | 152  | 285234   | 17.948 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.757 | 138  | 48539    | 20.211 | ng/ul# | 75       |
| 52) Acenaphthene              | 14.893 | 153  | 192571   | 18.805 | ng/ul  | 91       |
| 53) 2,4-Dinitrophenol         | 14.957 | 184  | 20001    | 15.824 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 15.034 | 109  | 27509    | 18.876 | ng/ul  | 93       |
| 56) Dibenzofuran              | 15.222 | 168  | 263250   | 19.066 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 15.198 | 165  | 63618    | 18.658 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.439 | 232  | 51059    | 18.248 | ng/ul# | 94       |
| 59) Diethylphthalate          | 15.615 | 149  | 216749   | 18.762 | ng/ul  | 99       |
| 61) Fluorene                  | 15.874 | 166  | 221980   | 19.206 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.856 | 204  | 111958   | 18.987 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.915 | 138  | 51295    | 22.054 | ng/ul  | 91       |
| 66) 4,6-Dinitro-2-methylph... | 15.944 | 198  | 42899    | 20.188 | ng/ul# | 89       |
| 67) N-Nitrosodiphenylamine    | 16.074 | 169  | 183860   | 19.974 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether | 16.749 | 248  | 65796    | 19.580 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.843 | 284  | 74106    | 19.469 | ng/ul# | 92       |
| 70) Atrazine                  | 17.008 | 200  | 67664    | 20.612 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.202 | 266  | 42605    | 19.929 | ng/ul# | 85       |
| 72) Phenanthrene              | 17.619 | 178  | 384329   | 19.767 | ng/ul  | 96       |
| 74) Anthracene                | 17.713 | 178  | 399755   | 19.971 | ng/ul  | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.624 | 216  | 87216    | 19.898 | ng/ul  | 96       |
| 76) Pentachlorobenzene        | 15.122 | 250  | 86157    | 20.070 | ng/ul  | 98       |
| 77) Carbazole                 | 17.989 | 167  | 337649   | 21.047 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.494 | 149  | 390629   | 19.950 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.616 | 202  | 447658   | 19.719 | ng/ul  | 100      |
| 82) Pyrene                    | 19.981 | 202  | 473600   | 19.792 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.833 | 149  | 167184   | 20.129 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.767 | 252  | 166305   | 22.095 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.849 | 228  | 463184   | 19.946 | ng/ul  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.679 | 149  | 246329   | 20.328 | ng/ul  | 98       |
| 87) Chrysene                  | 21.920 | 228  | 430348   | 19.825 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.960 | 149  | 413008   | 20.844 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.199 | 252  | 474401   | 20.316 | ng/ul  | 95       |
| 91) Benzo(k)fluoranthene      | 24.270 | 252  | 463221   | 19.187 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 25.145 | 252  | 442194   | 19.880 | ng/ul  | 93       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.282 | 276  | 496880m  | 19.624 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.364 | 278  | 410388   | 19.929 | ng/ul  | 95       |
| 96) Benzo(g,h,i)perylene      | 30.551 | 276  | 483516   | 22.740 | ng/ul  | 95       |

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

