

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051023\  
 Data File : BG057390.D  
 Acq On : 11 May 2023 5:55  
 Operator : CG/JU  
 Sample : SP6191  
 Misc : SFAM SPIKE  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP6191

Quant Time: May 11 06:34:58 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 10 11:18:43 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/11/2023  
 Supervised By : Jagrut Upadhyay 05/11/2023

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 8.363  | 152  | 19342    | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8        | 11.200 | 136  | 79366    | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10      | 14.977 | 164  | 59823    | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10      | 17.721 | 188  | 145707   | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12          | 22.033 | 240  | 133027   | 20.000 | ng/u1 | # 0.00   |
| 88) Perylene-d12          | 25.534 | 264  | 147819   | 20.000 | ng/u1 | 0.00     |

### System Monitoring Compounds

|                               |       |     |    |       |       |  |
|-------------------------------|-------|-----|----|-------|-------|--|
| 3) 1,4-Dioxane-d8             | 0.000 | 96  | 0  | 0.000 | ng/uL |  |
| 4) Pyridine-d5                | 0.000 | 84  | 0d | 0.000 | ng/u1 |  |
| 7) Phenol-d5                  | 0.000 | 99  | 0  | 0.000 | ng/u1 |  |
| 9) Bis-(2-Chloroethyl)eth...  | 0.000 | 67  | 0d | 0.000 | ng/u1 |  |
| 11) 2-Chlorophenol-d4         | 0.000 | 132 | 0  | 0.000 | ng/u1 |  |
| 15) 4-Methylphenol-d8         | 0.000 | 113 | 0d | 0.000 | ng/u1 |  |
| 21) Nitrobenzene-d5           | 0.000 | 128 | 0  | 0.000 | ng/u1 |  |
| 24) 2-Nitrophenol-d4          | 0.000 | 143 | 0  | 0.000 | ng/u1 |  |
| 28) 2,4-Dichlorophenol-d3     | 0.000 | 165 | 0d | 0.000 | ng/u1 |  |
| 31) 4-Chloroaniline-d4        | 0.000 | 131 | 0  | 0.000 | ng/u1 |  |
| 46) Dimethylphthalate-d6      | 0.000 | 166 | 0  | 0.000 | ng/u1 |  |
| 49) Acenaphthylene-d8         | 0.000 | 160 | 0  | 0.000 | ng/u1 |  |
| 54) 4-Nitrophenol-d4          | 0.000 | 143 | 0d | 0.000 | ng/u1 |  |
| 60) Fluorene-d10              | 0.000 | 176 | 0d | 0.000 | ng/u1 |  |
| 65) 4,6-Dinitro-2-methylph... | 0.000 | 200 | 0d | 0.000 | ng/u1 |  |
| 73) Anthracene-d10            | 0.000 | 188 | 0d | 0.000 | ng/u1 |  |
| 81) Pyrene-d10                | 0.000 | 212 | 0  | 0.000 | ng/u1 |  |
| 92) Benzo(a)pyrene-d12        | 0.000 | 264 | 0  | 0.000 | ng/u1 |  |

### Target Compounds

|                               |        |     |        |         | Qvalue    |
|-------------------------------|--------|-----|--------|---------|-----------|
| 2) 1,4-Dioxane                | 3.681  | 88  | 12974  | 27.834  | ng/uL# 92 |
| 5) Pyridine                   | 4.104  | 79  | 95634  | 65.470  | ng/u1# 87 |
| 6) Benzaldehyde               | 7.493  | 77  | 95180m | 170.367 | ng/u1     |
| 8) Phenol                     | 7.535  | 94  | 132838 | 72.052  | ng/u1 97  |
| 10) Bis(2-Chloroethyl)ether   | 7.764  | 93  | 91959  | 66.645  | ng/u1 94  |
| 12) 2-Chlorophenol            | 7.928  | 128 | 97039  | 76.642  | ng/u1 98  |
| 13) 2-Methylphenol            | 8.803  | 108 | 101123 | 70.774  | ng/u1 90  |
| 14) 2,2'-oxybis(1-Chloropr... | 8.886  | 45  | 104794 | 58.905  | ng/u1# 92 |
| 16) Acetophenone              | 9.197  | 105 | 156029 | 65.222  | ng/u1 93  |
| 17) N-Nitroso-di-n-propyla... | 9.174  | 70  | 84762  | 61.657  | ng/u1 94  |
| 18) 4-Methylphenol            | 9.138  | 108 | 108144 | 69.925  | ng/u1 97  |
| 19) Hexachloroethane          | 9.461  | 117 | 38379  | 72.448  | ng/u1 96  |
| 22) Nitrobenzene              | 9.591  | 77  | 131365 | 69.798  | ng/u1 99  |
| 23) Isophorone                | 10.113 | 82  | 238226 | 66.528  | ng/u1 97  |
| 25) 2-Nitrophenol             | 10.307 | 139 | 57411  | 76.844  | ng/u1 97  |
| 26) 2,4-Dimethylphenol        | 10.348 | 107 | 127044 | 74.960  | ng/u1 94  |
| 27) Bis(2-Chloroethoxy)met... | 10.578 | 93  | 127909 | 68.717  | ng/u1 97  |
| 29) 2,4-Dichlorophenol        | 10.848 | 162 | 108273 | 80.157  | ng/u1 97  |
| 30) Naphthalene               | 11.253 | 128 | 317508 | 72.862  | ng/u1 97  |
| 32) 4-Chloroaniline           | 11.353 | 127 | 117360 | 59.717  | ng/u1 99  |
| 33) Hexachlorobutadiene       | 11.523 | 225 | 87836  | 76.667  | ng/u1 96  |
| 34) Caprolactam               | 12.134 | 113 | 32180m | 70.767  | ng/u1     |
| 35) 4-Chloro-3-methylphenol   | 12.457 | 107 | 115027 | 74.011  | ng/u1 97  |
| 36) 2-Methylnaphthalene       | 12.833 | 142 | 231429 | 72.420  | ng/u1 97  |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 37) 1-Methylnaphthalene       | 13.051 | 142  | 233137   | 72.554  | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 13.192 | 216  | 166132   | 76.419  | ng/ul | 97       |
| 40) Hexachlorocyclopentadiene | 13.168 | 237  | 71292    | 65.714  | ng/ul | 95       |
| 41) 2,4,6-Trichlorophenol     | 13.427 | 196  | 100729   | 79.557  | ng/ul | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.509 | 196  | 107043   | 78.744  | ng/ul | 93       |
| 43) 1,1'-Biphenyl             | 13.820 | 154  | 331406   | 72.602  | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.873 | 162  | 259994   | 73.458  | ng/ul | 97       |
| 45) 2-Nitroaniline            | 14.067 | 65   | 78808    | 73.757  | ng/ul | 89       |
| 47) Dimethylphthalate         | 14.413 | 163  | 337028   | 70.802  | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.549 | 165  | 74069    | 75.610  | ng/ul | 98       |
| 50) Acenaphthylene            | 14.707 | 152  | 396570   | 73.250  | ng/ul | 98       |
| 51) 3-Nitroaniline            | 14.883 | 138  | 67483    | 97.221  | ng/ul | 99       |
| 52) Acenaphthene              | 15.048 | 153  | 276131   | 71.584  | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 15.095 | 184  | 36955    | 70.837  | ng/ul | 95       |
| 55) 4-Nitrophenol             | 15.189 | 109  | 49085    | 62.755  | ng/ul | 98       |
| 56) Dibenzofuran              | 15.377 | 168  | 400641   | 71.924  | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 15.336 | 165  | 105968   | 75.563  | ng/ul | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.600 | 232  | 99001    | 80.149  | ng/ul | 98       |
| 59) Diethylphthalate          | 15.765 | 149  | 334551   | 69.177  | ng/ul | 98       |
| 61) Fluorene                  | 16.023 | 166  | 336888   | 71.522  | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 16.000 | 204  | 199318   | 72.500  | ng/ul | 99       |
| 63) 4-Nitroaniline            | 16.047 | 138  | 71745    | 109.147 | ng/ul | 97       |
| 66) 4,6-Dinitro-2-methylph... | 16.099 | 198  | 67075    | 76.248  | ng/ul | 95       |
| 67) N-Nitrosodiphenylamine    | 16.217 | 169  | 285267   | 74.949  | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.892 | 248  | 136116   | 78.159  | ng/ul | 96       |
| 69) Hexachlorobenzene         | 17.028 | 284  | 143589   | 78.298  | ng/ul | 98       |
| 70) Atrazine                  | 17.151 | 200  | 125305   | 74.075  | ng/ul | 99       |
| 71) Pentachlorophenol         | 17.374 | 266  | 59728m   | 70.461  | ng/ul |          |
| 72) Phenanthrene              | 17.762 | 178  | 549854   | 72.466  | ng/ul | 98       |
| 74) Anthracene                | 17.856 | 178  | 556331   | 72.991  | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.791 | 216  | 172836   | 78.865  | ng/uL | 98       |
| 76) Pentachlorobenzene        | 15.301 | 250  | 170337   | 76.358  | ng/uL | 98       |
| 77) Carbazole                 | 18.120 | 167  | 475834   | 74.704  | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.637 | 149  | 547350   | 75.148  | ng/ul | 99       |
| 80) Fluoranthene              | 19.753 | 202  | 685610   | 73.096  | ng/ul | 98       |
| 82) Pyrene                    | 20.112 | 202  | 693744   | 73.062  | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.963 | 149  | 246622   | 81.104  | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.903 | 252  | 270192   | 91.456  | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 22.009 | 228  | 692078   | 73.560  | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.850 | 149  | 349867   | 79.108  | ng/ul | 98       |
| 87) Chrysene                  | 22.085 | 228  | 645488   | 72.719  | ng/ul | 98       |
| 89) Di-n-octyl phthalate      | 23.149 | 149  | 590387   | 72.326  | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 24.418 | 252  | 727146   | 71.036  | ng/ul | 97       |
| 91) Benzo(k)fluoranthene      | 24.494 | 252  | 694447   | 69.732  | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 25.375 | 252  | 636748   | 72.053  | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.611 | 276  | 804112m  | 72.791  | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 29.663 | 278  | 656782   | 71.700  | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 30.885 | 276  | 641625   | 71.767  | ng/ul | 97       |

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

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