

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121124\  
 Data File : BG063657.D  
 Acq On : 11 Dec 2024 18:30  
 Operator : RC/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SICV437

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/12/2024  
 Supervised By :mohammad ahmed 12/12/2024

Quant Time: Dec 12 00:07:47 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 11 23:59:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.812  | 152  | 174958   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.603 | 136  | 743831   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.451 | 164  | 532759   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.207 | 188  | 1242915  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.455 | 240  | 1196316  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.481 | 264  | 1316008  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.282  | 96   | 32592    | 7.300  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.687  | 84   | 282416   | 20.052 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.995  | 99   | 329796   | 20.467 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.142  | 67   | 258295m  | 23.209 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.354  | 132  | 217963   | 20.894 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.529  | 113  | 258380   | 20.653 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.969  | 128  | 116540   | 21.943 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.686  | 143  | 127536   | 21.423 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.233 | 165  | 253829   | 22.022 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.738 | 131  | 310809   | 21.237 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.858 | 166  | 784818   | 21.649 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.146 | 160  | 916781   | 22.185 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.674 | 143  | 107509   | 20.931 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.450 | 176  | 693654   | 21.641 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.585 | 200  | 134305   | 20.812 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.307 | 188  | 1171335  | 21.920 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.604 | 212  | 1407197  | 22.604 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.269 | 264  | 1389827  | 22.489 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.311  | 88   | 37185    | 7.038  | ng/uL# | 89       |
| 5) Pyridine                   | 3.705  | 79   | 259306   | 17.189 | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.954  | 77   | 197117m  | 19.943 | ng/u1  |          |
| 8) Phenol                     | 7.019  | 94   | 350992   | 20.439 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.236  | 93   | 266125   | 20.254 | ng/u1  | 94       |
| 12) 2-Chlorophenol            | 7.383  | 128  | 219095   | 20.748 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.264  | 108  | 255654   | 20.597 | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.335  | 45   | 405175   | 20.772 | ng/u1  | 98       |
| 16) Acetophenone              | 8.629  | 105  | 439404   | 20.708 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.617  | 70   | 267857   | 21.156 | ng/u1  | 94       |
| 18) 4-Methylphenol            | 8.587  | 108  | 272328   | 20.047 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.887  | 117  | 99107    | 19.101 | ng/u1  | 96       |
| 22) Nitrobenzene              | 9.010  | 77   | 376010   | 21.201 | ng/u1  | 97       |
| 23) Isophorone                | 9.527  | 82   | 682667   | 20.372 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.721  | 139  | 129958   | 21.241 | ng/u1  | 92       |
| 26) 2,4-Dimethylphenol        | 9.786  | 107  | 264683   | 19.065 | ng/u1  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.015 | 93   | 370182   | 20.424 | ng/u1  | 96       |
| 29) 2,4-Dichlorophenol        | 10.262 | 162  | 243113   | 21.227 | ng/u1  | 92       |
| 30) Naphthalene               | 10.650 | 128  | 779485   | 20.960 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.761 | 127  | 301461   | 21.649 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 10.938 | 225  | 197018   | 21.174 | ng/u1  | 98       |
| 34) Caprolactam               | 11.519 | 113  | 79266m   | 20.022 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.901 | 107  | 280725   | 20.878 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.265 | 142  | 568574   | 21.273 | ng/u1  | 98       |

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| 37) 1-Methylnaphthalene       | 12.489 | 142  | 537189   | 19.731 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.641 | 216  | 354183   | 20.767 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.618 | 237  | 122367   | 18.150 | ng/ul  | 92       |
| 41) 2,4,6-Trichlorophenol     | 12.882 | 196  | 207878   | 21.565 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 12.959 | 196  | 211224   | 20.997 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.282 | 154  | 769620   | 21.905 | ng/ul  | 95       |
| 44) 2-Chloronaphthalene       | 13.323 | 162  | 601816   | 21.331 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.529 | 65   | 209887   | 22.209 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 13.911 | 163  | 792601   | 21.815 | ng/ul  | 97       |
| 48) 2,6-Dinitrotoluene        | 14.028 | 165  | 159128   | 23.583 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.175 | 152  | 979386   | 22.103 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.357 | 138  | 151539   | 24.291 | ng/ul  | 95       |
| 52) Acenaphthene              | 14.516 | 153  | 678801   | 21.613 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.580 | 184  | 64766    | 18.782 | ng/ul# | 83       |
| 55) 4-Nitrophenol             | 14.692 | 109  | 108795   | 20.398 | ng/ul  | 88       |
| 56) Dibenzofuran              | 14.851 | 168  | 979881   | 22.130 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.827 | 165  | 217877   | 21.731 | ng/ul# | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.086 | 232  | 204032   | 23.529 | ng/ul  | 94       |
| 59) Diethylphthalate          | 15.274 | 149  | 755949   | 21.523 | ng/ul  | 97       |
| 61) Fluorene                  | 15.503 | 166  | 766875   | 21.690 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.497 | 204  | 416081   | 21.124 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.526 | 138  | 150360   | 24.075 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.597 | 198  | 141766   | 21.324 | ng/ul  | 92       |
| 67) N-Nitrosodiphenylamine    | 15.714 | 169  | 664711   | 22.085 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.390 | 248  | 272322   | 21.499 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.513 | 284  | 295893   | 20.849 | ng/ul  | 96       |
| 70) Atrazine                  | 16.666 | 200  | 263583   | 20.717 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.866 | 266  | 121219m  | 20.258 | ng/ul  |          |
| 72) Phenanthrene              | 17.248 | 178  | 1298465  | 21.679 | ng/ul  | 99       |
| 74) Anthracene                | 17.336 | 178  | 1347480  | 22.227 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.247 | 216  | 340218   | 20.516 | ng/ul  | 97       |
| 76) Pentachlorobenzene        | 14.774 | 250  | 353050   | 21.490 | ng/ul  | 98       |
| 77) Carbazole                 | 17.612 | 167  | 1150799  | 23.451 | ng/ul  | 96       |
| 78) Di-n-butylphthalate       | 18.170 | 149  | 1299219  | 21.923 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.269 | 202  | 1628617  | 23.017 | ng/ul  | 100      |
| 82) Pyrene                    | 19.633 | 202  | 1713683  | 22.764 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.526 | 149  | 500878   | 21.675 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.361 | 252  | 517448   | 23.960 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.437 | 228  | 1664365  | 22.199 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.355 | 149  | 737372   | 21.935 | ng/ul  | 100      |
| 87) Chrysene                  | 21.502 | 228  | 1578144  | 22.085 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.489 | 149  | 1314799  | 23.147 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.523 | 252  | 1607558  | 21.493 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.587 | 252  | 1675778  | 22.461 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.340 | 252  | 1563468  | 22.270 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.882 | 276  | 1857648  | 21.667 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.929 | 278  | 1496280  | 21.810 | ng/ul  | 95       |
| 96) Benzo(g,h,i)perylene      | 28.952 | 276  | 1428992  | 21.004 | ng/ul  | 97       |

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

