





Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112024\  
 Data File : BG063482.D  
 Acq On : 20 Nov 2024 12:53  
 Operator : RC/JU  
 Sample : SST04079  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SST040420

Manual IntegrationsAPPROVED

Quant Time: Nov 20 14:27:11 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 20 13:32:55 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/22/2024  
 Supervised By :mohammad ahmed 11/22/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.829  | 152  | 101149   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.619 | 136  | 429552   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.474 | 164  | 337636   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.223 | 188  | 802101   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.483 | 240  | 865577   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.521 | 264  | 931480   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.299  | 96   | 42342    | 18.662 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.704  | 84   | 327393   | 43.424 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.012  | 99   | 344845   | 38.154 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.165  | 67   | 218653   | 40.422 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.370  | 132  | 241184   | 40.880 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.545  | 113  | 290673   | 37.920 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.986  | 128  | 125745   | 40.660 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.709  | 143  | 155965   | 39.574 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.249 | 165  | 298941   | 38.663 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.760 | 131  | 365607   | 36.574 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.880 | 166  | 921839   | 35.376 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.162 | 160  | 1052121  | 39.984 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.691 | 143  | 133669   | 36.891 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.467 | 176  | 833037   | 37.512 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.602 | 200  | 185120   | 37.096 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.323 | 188  | 1409608  | 40.174 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.627 | 212  | 1757130  | 39.710 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.321 | 264  | 1859970  | 40.679 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.334  | 88   | 46438    | 16.717 | ng/ul# | 88       |
| 5) Pyridine                   | 3.722  | 79   | 331541   | 43.271 | ng/ul  | 97       |
| 6) Benzaldehyde               | 6.971  | 77   | 213714   | 43.835 | ng/ul  | 96       |
| 8) Phenol                     | 7.035  | 94   | 364153   | 36.957 | ng/ul  | 92       |
| 10) Bis(2-Chloroethyl)ether   | 7.259  | 93   | 261860   | 38.618 | ng/ul# | 94       |
| 12) 2-Chlorophenol            | 7.400  | 128  | 253293   | 39.787 | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.281  | 108  | 279216   | 38.860 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.346  | 45   | 392262   | 44.282 | ng/ul  | 97       |
| 16) Acetophenone              | 8.651  | 105  | 458290   | 37.671 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.639  | 70   | 255526   | 36.199 | ng/ul  | 91       |
| 18) 4-Methylphenol            | 8.604  | 108  | 299439   | 36.204 | ng/ul  | 93       |
| 19) Hexachloroethane          | 8.904  | 117  | 113700   | 43.806 | ng/ul  | 85       |
| 22) Nitrobenzene              | 9.027  | 77   | 391263   | 41.421 | ng/ul  | 99       |
| 23) Isophorone                | 9.550  | 82   | 701352   | 36.276 | ng/ul  | 97       |
| 25) 2-Nitrophenol             | 9.738  | 139  | 156977   | 40.537 | ng/ul  | 96       |
| 26) 2,4-Dimethylphenol        | 9.803  | 107  | 324967   | 38.521 | ng/ul  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.032 | 93   | 377333   | 39.470 | ng/ul  | 97       |
| 29) 2,4-Dichlorophenol        | 10.279 | 162  | 291528   | 40.057 | ng/ul  | 96       |
| 30) Naphthalene               | 10.672 | 128  | 885813   | 39.819 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.784 | 127  | 350009   | 36.714 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 10.954 | 225  | 256337   | 37.667 | ng/ul  | 89       |
| 34) Caprolactam               | 11.536 | 113  | 96657m   | 33.636 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.918 | 107  | 296971   | 35.294 | ng/ul  | 94       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.282 | 142  | 633800   | 36.864 | ng/ul  | 96       |
| 37) 1-Methylnaphthalene       | 12.505 | 142  | 647335   | 36.348 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.658 | 216  | 481244   | 39.975 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.635 | 237  | 201251   | 32.173 | ng/ul  | 94       |
| 41) 2,4,6-Trichlorophenol     | 12.899 | 196  | 262504   | 40.607 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.975 | 196  | 271821   | 38.801 | ng/ul  | 95       |
| 43) 1,1'-Biphenyl             | 13.299 | 154  | 899093   | 40.927 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.340 | 162  | 692486   | 40.337 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.551 | 65   | 240271   | 41.428 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.927 | 163  | 887722   | 35.373 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.051 | 165  | 187113   | 38.464 | ng/ul# | 87       |
| 50) Acenaphthylene            | 14.192 | 152  | 1055305  | 40.033 | ng/ul  | 96       |
| 51) 3-Nitroaniline            | 14.380 | 138  | 164790   | 39.227 | ng/ul# | 94       |
| 52) Acenaphthene              | 14.538 | 153  | 744890   | 39.568 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.597 | 184  | 90308    | 28.961 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.709 | 109  | 154472   | 33.358 | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.873 | 168  | 1094667  | 38.478 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.844 | 165  | 285870   | 37.255 | ng/ul# | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.108 | 232  | 265539   | 37.215 | ng/ul# | 96       |
| 59) Diethylphthalate          | 15.296 | 149  | 892376   | 34.830 | ng/ul  | 98       |
| 61) Fluorene                  | 15.525 | 166  | 917878   | 38.259 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.520 | 204  | 556802   | 36.737 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.549 | 138  | 172431   | 40.041 | ng/ul  | 90       |
| 66) 4,6-Dinitro-2-methylph... | 15.614 | 198  | 197785   | 38.155 | ng/ul# | 100      |
| 67) N-Nitrosodiphenylamine    | 15.737 | 169  | 765610   | 41.449 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.413 | 248  | 372175   | 40.057 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.536 | 284  | 380539   | 38.610 | ng/ul  | 95       |
| 70) Atrazine                  | 16.689 | 200  | 374453   | 38.307 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.883 | 266  | 175234   | 34.601 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.270 | 178  | 1539950  | 41.073 | ng/ul  | 97       |
| 74) Anthracene                | 17.359 | 178  | 1570664  | 40.899 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.269 | 216  | 484266   | 44.960 | ng/ul  | 91       |
| 76) Pentachlorobenzene        | 14.797 | 250  | 477958   | 42.101 | ng/ul  | 97       |
| 77) Carbazole                 | 17.635 | 167  | 1321187  | 41.460 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.193 | 149  | 1499920  | 41.095 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.292 | 202  | 1941666  | 40.468 | ng/ul  | 98       |
| 82) Pyrene                    | 19.656 | 202  | 2072552  | 40.354 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.549 | 149  | 690177   | 45.036 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.389 | 252  | 763471   | 40.603 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.466 | 228  | 2239534  | 40.166 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.383 | 149  | 986109   | 44.341 | ng/ul  | 98       |
| 87) Chrysene                  | 21.530 | 228  | 2087263  | 40.024 | ng/ul  | 95       |
| 89) Di-n-octyl phthalate      | 22.529 | 149  | 1721996  | 44.824 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.563 | 252  | 2308821  | 40.926 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.628 | 252  | 2233431  | 38.922 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 24.386 | 252  | 2105137  | 39.945 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.958 | 276  | 2642387  | 40.664 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.011 | 278  | 2146028  | 40.250 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 29.033 | 276  | 1987434  | 40.444 | ng/ul  | 97       |

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

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BNA\_G

**ClientSampleId :**

SSTD040420

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