

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040922\  
 Data File : BM034562.D  
 Acq On : 08 Apr 2022 15:27  
 Operator : CG/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SICV017

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay

Quant Time: Apr 08 18:20:35 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM040922.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 08 14:30:08 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.878  | 152  | 109705   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.684 | 136  | 439432   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.524 | 164  | 255352   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.265 | 188  | 501454   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.442 | 240  | 488682   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.824 | 264  | 535704   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.255  | 96   | 23937    | 7.781  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.678  | 84   | 142363   | 19.175 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.037  | 99   | 173070   | 18.954 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.201  | 67   | 120157   | 19.748 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.407  | 132  | 141953   | 20.111 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.590  | 113  | 136268   | 19.105 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.037  | 128  | 68406    | 21.181 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.766  | 143  | 69786    | 20.755 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.307 | 165  | 130435   | 20.601 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.825 | 131  | 165176   | 18.910 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.936 | 166  | 372396   | 20.183 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.219 | 160  | 482596   | 20.350 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.719 | 143  | 48997    | 17.416 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.513 | 176  | 321781   | 20.181 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.636 | 200  | 56233    | 18.369 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.365 | 188  | 480993   | 20.119 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.659 | 212  | 545663   | 20.458 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.671 | 264  | 530306   | 19.679 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
| 2) 1,4-Dioxane                | 3.290  | 88   | 24773    | 7.997  | ng/uL# | 85       |
| 5) Pyridine                   | 3.696  | 79   | 154569   | 19.053 | ng/u1# | 74       |
| 6) Benzaldehyde               | 7.007  | 77   | 117242   | 20.944 | ng/u1  | 88       |
| 8) Phenol                     | 7.066  | 94   | 174963   | 18.968 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.295  | 93   | 147343   | 19.793 | ng/u1# | 86       |
| 12) 2-Chlorophenol            | 7.437  | 128  | 147801   | 20.542 | ng/u1# | 88       |
| 13) 2-Methylphenol            | 8.325  | 108  | 131527   | 19.288 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.413  | 45   | 224137   | 20.138 | ng/u1# | 85       |
| 16) Acetophenone              | 8.701  | 105  | 218043   | 19.585 | ng/u1# | 89       |
| 17) N-Nitroso-di-n-propyla... | 8.690  | 70   | 120344   | 20.308 | ng/u1# | 88       |
| 18) 4-Methylphenol            | 8.654  | 108  | 140574   | 19.378 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.960  | 117  | 64783    | 20.018 | ng/u1  | 81       |
| 22) Nitrobenzene              | 9.084  | 77   | 170538   | 20.143 | ng/u1  | 92       |
| 23) Isophorone                | 9.613  | 82   | 303192   | 20.166 | ng/u1# | 93       |
| 25) 2-Nitrophenol             | 9.795  | 139  | 74548    | 20.700 | ng/u1# | 88       |
| 26) 2,4-Dimethylphenol        | 9.860  | 107  | 162805   | 20.366 | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.095 | 93   | 185135   | 20.466 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.336 | 162  | 126166   | 20.190 | ng/u1  | 97       |
| 30) Naphthalene               | 10.736 | 128  | 458071   | 20.023 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.848 | 127  | 161374   | 18.441 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.031 | 225  | 88011    | 20.033 | ng/u1  | 99       |
| 34) Caprolactam               | 11.613 | 113  | 38573m   | 19.001 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.978 | 107  | 133985   | 20.655 | ng/u1  | 92       |
| 36) 2-Methylnaphthalene       | 12.354 | 142  | 293731   | 20.033 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|--------|----------|-----------------------------|
| 37) 1-Methylnaphthalene       | 12.572 | 142  | 302754   | 20.127 | ng/ul  | 100      | 04/11/2022                  |
| 39) 1,2,4,5-Tetrachloroben... | 12.725 | 216  | 154722   | 20.243 | ng/ul# | 97       | Supervised By :Yogesh Patel |
| 40) Hexachlorocyclopentadiene | 12.707 | 237  | 94661    | 18.873 | ng/ul  | 96       |                             |
| 41) 2,4,6-Trichlorophenol     | 12.960 | 196  | 93970    | 20.239 | ng/ul  | 95       |                             |
| 42) 2,4,5-Trichlorophenol     | 13.036 | 196  | 99022    | 20.581 | ng/ul  | 99       |                             |
| 43) 1,1'-Biphenyl             | 13.360 | 154  | 386350   | 19.973 | ng/ul# | 98       |                             |
| 44) 2-Chloronaphthalene       | 13.401 | 162  | 300184   | 20.214 | ng/ul  | 95       | 04/12/2022                  |
| 45) 2-Nitroaniline            | 13.607 | 65   | 83029    | 20.504 | ng/ul  | 84       |                             |
| 47) Dimethylphthalate         | 13.983 | 163  | 365569   | 20.133 | ng/ul  | 99       |                             |
| 48) 2,6-Dinitrotoluene        | 14.101 | 165  | 73377    | 21.035 | ng/ul  | 90       |                             |
| 50) Acenaphthylene            | 14.248 | 152  | 493985   | 20.518 | ng/ul  | 99       |                             |
| 51) 3-Nitroaniline            | 14.430 | 138  | 57767    | 18.941 | ng/ul  | 83       |                             |
| 52) Acenaphthene              | 14.589 | 153  | 324653   | 20.254 | ng/ul  | 100      |                             |
| 53) 2,4-Dinitrophenol         | 14.636 | 184  | 29952    | 15.236 | ng/ul# | 80       |                             |
| 55) 4-Nitrophenol             | 14.736 | 109  | 40592    | 16.896 | ng/ul# | 75       |                             |
| 56) Dibenzofuran              | 14.924 | 168  | 442136   | 20.295 | ng/ul  | 97       |                             |
| 57) 2,4-Dinitrotoluene        | 14.889 | 165  | 98821    | 20.354 | ng/ul# | 82       |                             |
| 58) 2,3,4,6-Tetrachlorophenol | 15.148 | 232  | 86228    | 20.412 | ng/ul# | 87       |                             |
| 59) Diethylphthalate          | 15.342 | 149  | 375314   | 20.349 | ng/ul  | 99       |                             |
| 61) Fluorene                  | 15.571 | 166  | 362541   | 19.724 | ng/ul  | 98       |                             |
| 62) 4-Chlorophenyl-phenyle... | 15.566 | 204  | 176285   | 19.870 | ng/ul  | 92       |                             |
| 63) 4-Nitroaniline            | 15.589 | 138  | 51849m   | 19.307 | ng/ul  |          |                             |
| 66) 4,6-Dinitro-2-methylph... | 15.648 | 198  | 58122    | 19.042 | ng/ul# | 86       |                             |
| 67) N-Nitrosodiphenylamine    | 15.777 | 169  | 308053   | 20.619 | ng/ul  | 99       |                             |
| 68) 4-Bromophenyl-phenylether | 16.460 | 248  | 105129m  | 20.281 | ng/ul  |          |                             |
| 69) Hexachlorobenzene         | 16.577 | 284  | 125533   | 20.165 | ng/ul# | 91       |                             |
| 70) Atrazine                  | 16.730 | 200  | 109783   | 19.636 | ng/ul  | 99       |                             |
| 71) Pentachlorophenol         | 16.918 | 266  | 70873    | 18.593 | ng/ul  | 98       |                             |
| 72) Phenanthrene              | 17.307 | 178  | 562666   | 20.109 | ng/ul  | 99       |                             |
| 74) Anthracene                | 17.401 | 178  | 561098   | 20.237 | ng/ul  | 100      |                             |
| 75) 1,2,3,4-Tetrachloroben... | 13.325 | 216  | 160423   | 20.369 | ng/uL  | 98       |                             |
| 76) Pentachlorobenzene        | 14.848 | 250  | 148875   | 20.143 | ng/uL  | 99       |                             |
| 77) Carbazole                 | 17.671 | 167  | 424704   | 18.516 | ng/ul  | 98       |                             |
| 78) Di-n-butylphthalate       | 18.236 | 149  | 596759   | 20.498 | ng/ul  | 99       |                             |
| 80) Fluoranthene              | 19.324 | 202  | 619821   | 20.999 | ng/ul# | 89       |                             |
| 82) Pyrene                    | 19.689 | 202  | 675948   | 21.069 | ng/ul# | 89       |                             |
| 83) Butylbenzylphthalate      | 20.583 | 149  | 267805   | 21.322 | ng/ul  | 86       |                             |
| 84) 3,3'-Dichlorobenzidine    | 21.365 | 252  | 177554   | 20.731 | ng/ul# | 98       |                             |
| 85) Benzo(a)anthracene        | 21.430 | 228  | 581306   | 20.458 | ng/ul  | 100      |                             |
| 86) Bis(2-ethylhexyl)phtha... | 21.359 | 149  | 401910   | 21.381 | ng/ul# | 95       |                             |
| 87) Chrysene                  | 21.483 | 228  | 631325   | 20.605 | ng/ul  | 100      |                             |
| 89) Di-n-octyl phthalate      | 22.277 | 149  | 687180   | 19.268 | ng/ul  | 100      |                             |
| 90) Benzo(b)fluoranthene      | 23.100 | 252  | 630966   | 19.822 | ng/ul# | 97       |                             |
| 91) Benzo(k)fluoranthene      | 23.147 | 252  | 661240   | 19.781 | ng/ul# | 97       |                             |
| 93) Benzo(a)pyrene            | 23.718 | 252  | 623086   | 19.805 | ng/ul# | 97       |                             |
| 94) Indeno(1,2,3-cd)pyrene    | 26.300 | 276  | 678738   | 20.160 | ng/ul# | 94       |                             |
| 95) Dibenzo(a,h)anthracene    | 26.318 | 278  | 525761   | 19.048 | ng/ul# | 97       |                             |
| 96) Benzo(g,h,i)perylene      | 27.065 | 276  | 625096   | 19.343 | ng/ul# | 93       |                             |

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

