

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041924\  
 Data File : BP020032.D  
 Acq On : 19 Apr 2024 17:33  
 Operator : MA/JU  
 Sample : SSTD02090  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020611

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

04/22/2024  
 Supervised By :mohammad  
 ahmed

Quant Time: Apr 20 00:41:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP041924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Apr 20 00:34:02 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.640  | 152  | 92905    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.410 | 136  | 384799   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.316 | 164  | 258684   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.157 | 188  | 543121   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.657 | 240  | 549654   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.051 | 264  | 595828   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.234  | 96   | 18526    | 8.692  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.634  | 84   | 135257   | 20.956 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.822  | 99   | 163752   | 20.741 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.993  | 67   | 117244   | 22.398 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.175  | 132  | 115989   | 20.622 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.346  | 113  | 126713   | 20.735 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.799  | 128  | 59573    | 20.272 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.510  | 143  | 61864    | 19.164 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.040 | 165  | 127194   | 21.075 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.569 | 131  | 165749   | 21.021 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.728 | 166  | 378278   | 20.797 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.998 | 160  | 446739   | 21.011 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.557 | 143  | 56830    | 20.041 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.340 | 176  | 331559   | 21.338 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.487 | 200  | 63030    | 19.421 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.263 | 188  | 525951   | 21.656 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.663 | 212  | 621855   | 19.431 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.810 | 264  | 612526   | 21.238 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.264  | 88   | 21740    | 8.772  | ng/uL  | 100      |
| 5) Pyridine                   | 3.652  | 79   | 143427   | 21.594 | ng/u1  | 100      |
| 6) Benzaldehyde               | 6.811  | 77   | 118732   | 29.205 | ng/u1  | 100      |
| 8) Phenol                     | 6.846  | 94   | 174432   | 21.043 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.081  | 93   | 145015   | 21.502 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.205  | 128  | 122584   | 20.669 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.081  | 108  | 128370   | 21.405 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.158  | 45   | 213382   | 22.701 | ng/u1  | 100      |
| 16) Acetophenone              | 8.463  | 105  | 220711   | 22.078 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.446  | 70   | 130457   | 23.002 | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.405  | 108  | 137330   | 21.297 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.693  | 117  | 59985    | 21.548 | ng/u1  | 100      |
| 22) Nitrobenzene              | 8.840  | 77   | 191524   | 22.347 | ng/u1  | 100      |
| 23) Isophorone                | 9.357  | 82   | 353680   | 22.186 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.540  | 139  | 67640    | 19.944 | ng/u1  | 100      |
| 26) 2,4-Dimethylphenol        | 9.599  | 107  | 161983   | 21.354 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 9.840  | 93   | 199404   | 21.580 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.069 | 162  | 124555   | 21.019 | ng/u1  | 100      |
| 30) Naphthalene               | 10.457 | 128  | 419351   | 21.132 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.593 | 127  | 164583   | 21.175 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.728 | 225  | 100712   | 21.451 | ng/u1  | 100      |
| 34) Caprolactam               | 11.399 | 113  | 38184m   | 20.618 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.722 | 107  | 145571   | 21.862 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.087 | 142  | 288556   | 21.609 | ng/u1  | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041924\  
 Data File : BP020032.D  
 Acq On : 19 Apr 2024 17:33  
 Operator : MA/JU  
 Sample : SSTD02090  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020611

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

04/22/2024  
 Supervised By :mohammad  
 ahmed

Quant Time: Apr 20 00:41:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP041924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Apr 20 00:34:02 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.310 | 142  | 283734   | 21.400 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.457 | 216  | 173337   | 20.429 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.422 | 237  | 89229    | 18.517 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.722 | 196  | 106530   | 20.387 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.798 | 196  | 109334   | 20.382 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.128 | 154  | 382885   | 20.560 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.169 | 162  | 312114   | 20.662 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.398 | 65   | 103435   | 21.640 | ng/ul | 100      |
| 47) Dimethylphthalate         | 13.781 | 163  | 387976   | 21.119 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.910 | 165  | 76144    | 20.504 | ng/ul | 100      |
| 50) Acenaphthylene            | 14.034 | 152  | 494695   | 20.892 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.251 | 138  | 73365    | 21.519 | ng/ul | 100      |
| 52) Acenaphthene              | 14.381 | 153  | 322907   | 20.578 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.475 | 184  | 39718    | 18.696 | ng/ul | 100      |
| 55) 4-Nitrophenol             | 14.575 | 109  | 63947    | 23.436 | ng/ul | 100      |
| 56) Dibenzofuran              | 14.728 | 168  | 452616   | 21.107 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.722 | 165  | 107029   | 21.077 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 14.963 | 232  | 97666    | 20.956 | ng/ul | 100      |
| 59) Diethylphthalate          | 15.181 | 149  | 402938   | 21.925 | ng/ul | 100      |
| 61) Fluorene                  | 15.398 | 166  | 381633   | 21.707 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.398 | 204  | 206183   | 21.774 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.451 | 138  | 67208    | 22.858 | ng/ul | 100      |
| 66) 4,6-Dinitro-2-methylph... | 15.504 | 198  | 66869    | 19.443 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 15.622 | 169  | 315329   | 20.925 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.322 | 248  | 124081   | 20.891 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.428 | 284  | 133535   | 20.383 | ng/ul | 100      |
| 70) Atrazine                  | 16.628 | 200  | 118281   | 20.589 | ng/ul | 100      |
| 71) Pentachlorophenol         | 16.798 | 266  | 79349    | 20.411 | ng/ul | 100      |
| 72) Phenanthrene              | 17.198 | 178  | 596632   | 21.144 | ng/ul | 100      |
| 74) Anthracene                | 17.298 | 178  | 620941   | 21.526 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.081 | 216  | 172012   | 19.547 | ng/ul | 100      |
| 76) Pentachlorobenzene        | 14.640 | 250  | 162843   | 19.909 | ng/ul | 100      |
| 77) Carbazole                 | 17.598 | 167  | 538204   | 21.842 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.192 | 149  | 671697   | 22.045 | ng/ul | 100      |
| 80) Fluoranthene              | 19.316 | 202  | 730801   | 19.383 | ng/ul | 100      |
| 82) Pyrene                    | 19.692 | 202  | 749766   | 19.238 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.675 | 149  | 299310   | 19.205 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.569 | 252  | 261337   | 22.382 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.633 | 228  | 794015   | 20.807 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.592 | 149  | 464790   | 20.202 | ng/ul | 100      |
| 87) Chrysene                  | 21.710 | 228  | 754717   | 21.144 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.898 | 149  | 776992   | 20.726 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.974 | 252  | 763933   | 21.622 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 24.045 | 252  | 767995   | 21.379 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 24.886 | 252  | 739607   | 21.605 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.904 | 276  | 850905m  | 20.116 | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 28.998 | 278  | 674319   | 19.685 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 30.098 | 276  | 677001   | 19.847 | ng/ul | 100      |

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

