

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050224\  
 Data File : BP020196.D  
 Acq On : 04 May 2024 06:16  
 Operator : MA/JU  
 Sample : PB160586BS  
 Misc :  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS586

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 05/06/2024  
 Supervised By :mohammad ahmed 05/06/2024

Quant Time: May 04 06:45:04 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 03 06:07:25 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.622  | 152  | 92574    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.393 | 136  | 399182   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.292 | 164  | 277858   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.133 | 188  | 615498   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.621 | 240  | 604418   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.974 | 264  | 571232   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.216  | 96   | 12006    | 5.477  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.616  | 84   | 172783   | 27.128 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.805  | 99   | 246357   | 30.988 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 6.975  | 67   | 145539   | 30.136 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.157  | 132  | 182295   | 32.075 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.334  | 113  | 206144   | 32.072 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.781  | 128  | 94524    | 31.622 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.493  | 143  | 111398   | 32.543 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.028 | 165  | 203519   | 32.581 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.546 | 131  | 302943   | 34.651 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.704 | 166  | 693021   | 34.154 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 13.975 | 160  | 745870   | 33.276 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.545 | 143  | 113236   | 36.310 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.316 | 176  | 577033   | 34.095 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.469 | 200  | 133381   | 34.150 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.233 | 188  | 925374   | 34.753 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.627 | 212  | 1130146  | 31.987 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.751 | 264  | 956028   | 34.614 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.252  | 88   | 25810    | 10.377 | ng/uL  | 96       |
| 5) Pyridine                   | 3.634  | 79   | 176223   | 27.355 | ng/u1  | 95       |
| 6) Benzaldehyde               | 6.793  | 77   | 156216   | 39.092 | ng/u1  | 98       |
| 8) Phenol                     | 6.834  | 94   | 255163   | 31.096 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.069  | 93   | 186831   | 29.097 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.193  | 128  | 186655   | 31.456 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.063  | 108  | 184802   | 30.193 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.140  | 45   | 232673   | 29.049 | ng/u1  | 97       |
| 16) Acetophenone              | 8.451  | 105  | 323148   | 30.292 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.434  | 70   | 176891   | 30.556 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.393  | 108  | 211052   | 31.724 | ng/u1  | 92       |
| 19) Hexachloroethane          | 8.669  | 117  | 80191    | 29.552 | ng/u1  | 98       |
| 22) Nitrobenzene              | 8.828  | 77   | 256084   | 29.843 | ng/u1  | 99       |
| 23) Isophorone                | 9.346  | 82   | 503669   | 30.525 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.528  | 139  | 115121   | 32.468 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 9.587  | 107  | 233183   | 30.144 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.828  | 93   | 269877   | 29.503 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.051 | 162  | 201923   | 33.233 | ng/u1  | 98       |
| 30) Naphthalene               | 10.446 | 128  | 615912   | 29.934 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.575 | 127  | 257458   | 30.115 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.710 | 225  | 136998   | 29.029 | ng/u1  | 95       |
| 34) Caprolactam               | 11.387 | 113  | 76733m   | 36.168 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.710 | 107  | 257458   | 34.032 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.069 | 142  | 446120   | 31.162 | ng/u1  | 97       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.292 | 142  | 447468   | 31.061 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.440 | 216  | 272084   | 31.398 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.404 | 237  | 106619   | 22.623 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.698 | 196  | 187811   | 34.560 | ng/ul | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.775 | 196  | 199171   | 34.060 | ng/ul | 97       |
| 43) 1,1'-Biphenyl             | 13.098 | 154  | 616805   | 31.385 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.145 | 162  | 479673   | 30.759 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.375 | 65   | 184634   | 35.694 | ng/ul | 96       |
| 47) Dimethylphthalate         | 13.757 | 163  | 676437   | 33.004 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.887 | 165  | 142046   | 34.863 | ng/ul | 95       |
| 50) Acenaphthylene            | 14.004 | 152  | 794029   | 31.495 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.228 | 138  | 140169   | 36.885 | ng/ul | 97       |
| 52) Acenaphthene              | 14.357 | 153  | 530501   | 31.312 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.457 | 184  | 88597    | 35.426 | ng/ul | 94       |
| 55) 4-Nitrophenol             | 14.557 | 109  | 124229   | 38.261 | ng/ul | 95       |
| 56) Dibenzofuran              | 14.698 | 168  | 768014   | 32.960 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.698 | 165  | 213618   | 36.466 | ng/ul | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.939 | 232  | 187212   | 35.652 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.157 | 149  | 688340   | 33.645 | ng/ul | 99       |
| 61) Fluorene                  | 15.369 | 166  | 642538   | 33.187 | ng/ul | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.369 | 204  | 339494   | 33.052 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.433 | 138  | 132319   | 41.781 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.486 | 198  | 142867   | 35.079 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.598 | 169  | 560339   | 32.696 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.292 | 248  | 216728   | 32.508 | ng/ul | 92       |
| 69) Hexachlorobenzene         | 16.398 | 284  | 254319   | 32.935 | ng/ul | 96       |
| 70) Atrazine                  | 16.604 | 200  | 222005   | 36.533 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.769 | 266  | 162670   | 34.853 | ng/ul | 99       |
| 72) Phenanthrene              | 17.175 | 178  | 1024371  | 32.620 | ng/ul | 98       |
| 74) Anthracene                | 17.269 | 178  | 1053058  | 32.969 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.051 | 216  | 272922   | 29.835 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.616 | 250  | 287118   | 31.365 | ng/uL | 99       |
| 77) Carbazole                 | 17.563 | 167  | 956741   | 34.771 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.163 | 149  | 1177228  | 35.297 | ng/ul | 100      |
| 80) Fluoranthene              | 19.280 | 202  | 1291087  | 31.051 | ng/ul | 99       |
| 82) Pyrene                    | 19.663 | 202  | 1368839  | 31.640 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.639 | 149  | 556169   | 33.866 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.533 | 252  | 441448   | 35.887 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.598 | 228  | 1342278  | 32.742 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.551 | 149  | 792167   | 33.436 | ng/ul | 98       |
| 87) Chrysene                  | 21.668 | 228  | 1247577  | 32.834 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.845 | 149  | 1341433  | 36.668 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.915 | 252  | 1186020  | 34.903 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.986 | 252  | 1210467  | 34.955 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 24.821 | 252  | 966283   | 29.886 | ng/ul | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.774 | 276  | 1205661m | 30.419 | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 28.850 | 278  | 973429m  | 29.693 | ng/ul |          |
| 96) Benzo(g,h,i)perylene      | 29.950 | 276  | 910112m  | 28.470 | ng/ul |          |

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

