

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120822\  
 Data File : BP012996.D  
 Acq On : 08 Dec 2022 21:39  
 Operator : CG/JU  
 Sample : PB149469BS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS469

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2022  
 Supervised By :mohammad ahmed 12/10/2022

Quant Time: Dec 09 01:59:51 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 08 00:35:07 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.975  | 152  | 646490   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.793 | 136  | 2787863  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.616 | 164  | 1827390  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.369 | 188  | 4091126  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.457 | 240  | 3606867  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.945 | 264  | 3464575  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.352  | 96   | 100280   | 6.632  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.781  | 84   | 1376347  | 32.044 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.134  | 99   | 1974754  | 37.501 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.299  | 67   | 1179737  | 37.139 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.505  | 132  | 1535416  | 37.040 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.687  | 113  | 1584491  | 36.723 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.146  | 128  | 781279   | 38.142 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.869  | 143  | 893339   | 38.740 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.405 | 165  | 1690752  | 37.748 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.928 | 131  | 2101917  | 33.241 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.022 | 166  | 5119406  | 36.452 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.310 | 160  | 5747275  | 37.242 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.810 | 143  | 957943   | 37.919 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.610 | 176  | 4442712  | 37.392 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.728 | 200  | 958800   | 36.418 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.469 | 188  | 6802745  | 36.857 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.698 | 212  | 7910755  | 38.210 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.786 | 264  | 6870529  | 39.786 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.393  | 88   | 192053   | 12.167 | ng/uL  | 99       |
| 5) Pyridine                   | 3.799  | 79   | 1338552  | 31.357 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.111  | 77   | 1008625  | 48.917 | ng/u1  | 98       |
| 8) Phenol                     | 7.158  | 94   | 1874736  | 35.212 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.393  | 93   | 1504340  | 34.425 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.534  | 128  | 1494767  | 35.163 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.416  | 108  | 1442556  | 34.753 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.511  | 45   | 2139942  | 35.687 | ng/u1  | 99       |
| 16) Acetophenone              | 8.805  | 105  | 2269131  | 34.299 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.793  | 70   | 1145274  | 34.426 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.752  | 108  | 1589967  | 34.582 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.064  | 117  | 576445   | 33.934 | ng/u1  | 97       |
| 22) Nitrobenzene              | 9.187  | 77   | 1684332  | 35.043 | ng/u1  | 100      |
| 23) Isophorone                | 9.716  | 82   | 3367902  | 34.653 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.899  | 139  | 903484   | 36.160 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.958  | 107  | 1590806  | 32.631 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.199 | 93   | 2103493  | 33.849 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.434 | 162  | 1565665  | 35.684 | ng/u1  | 100      |
| 30) Naphthalene               | 10.840 | 128  | 4909977  | 33.675 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.952 | 127  | 2000817  | 31.975 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.122 | 225  | 1031974  | 34.256 | ng/u1  | 98       |
| 34) Caprolactam               | 11.740 | 113  | 494033m  | 33.023 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.069 | 107  | 1631730  | 36.442 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.446 | 142  | 3475566  | 34.747 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.663 | 142  | 3489118  | 33.919 | ng/u1 | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.810 | 216  | 2078160  | 35.317 | ng/u1 | 99       |
| 40) Hexachlorocyclopentadiene | 12.793 | 237  | 1091844  | 28.514 | ng/u1 | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.052 | 196  | 1371215  | 36.260 | ng/u1 | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.116 | 196  | 1493210  | 36.760 | ng/u1 | 99       |
| 43) 1,1'-Biphenyl             | 13.452 | 154  | 4645925  | 33.852 | ng/u1 | 99       |
| 44) 2-Chloronaphthalene       | 13.493 | 162  | 3712348  | 34.368 | ng/u1 | 100      |
| 45) 2-Nitroaniline            | 13.699 | 65   | 1011534  | 38.625 | ng/u1 | 99       |
| 47) Dimethylphthalate         | 14.069 | 163  | 4849246  | 34.837 | ng/u1 | 99       |
| 48) 2,6-Dinitrotoluene        | 14.193 | 165  | 988527   | 38.213 | ng/u1 | 96       |
| 50) Acenaphthylene            | 14.340 | 152  | 5622059  | 33.886 | ng/u1 | 99       |
| 51) 3-Nitroaniline            | 14.522 | 138  | 973517   | 39.854 | ng/u1 | 99       |
| 52) Acenaphthene              | 14.681 | 153  | 3935393  | 34.229 | ng/u1 | 99       |
| 53) 2,4-Dinitrophenol         | 14.722 | 184  | 601623   | 34.023 | ng/u1 | 99       |
| 55) 4-Nitrophenol             | 14.828 | 109  | 615542   | 35.709 | ng/u1 | 98       |
| 56) Dibenzofuran              | 15.016 | 168  | 5597703  | 34.244 | ng/u1 | 99       |
| 57) 2,4-Dinitrotoluene        | 14.975 | 165  | 1418792  | 37.758 | ng/u1 | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.240 | 232  | 1333267  | 35.967 | ng/u1 | 96       |
| 59) Diethylphthalate          | 15.434 | 149  | 4767873  | 35.235 | ng/u1 | 99       |
| 61) Fluorene                  | 15.663 | 166  | 4478038  | 34.158 | ng/u1 | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.657 | 204  | 2405035  | 34.691 | ng/u1 | 98       |
| 63) 4-Nitroaniline            | 15.687 | 138  | 958284   | 44.583 | ng/u1 | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.740 | 198  | 913914   | 35.523 | ng/u1 | 100      |
| 67) N-Nitrosodiphenylamine    | 15.869 | 169  | 3967780  | 34.982 | ng/u1 | 99       |
| 68) 4-Bromophenyl-phenylether | 16.551 | 248  | 1576548  | 35.485 | ng/u1 | 99       |
| 69) Hexachlorobenzene         | 16.669 | 284  | 1855124  | 35.165 | ng/u1 | 99       |
| 70) Atrazine                  | 16.828 | 200  | 1391844  | 31.490 | ng/u1 | 99       |
| 71) Pentachlorophenol         | 17.016 | 266  | 1113311  | 34.848 | ng/u1 | 98       |
| 72) Phenanthrene              | 17.416 | 178  | 7439792  | 34.914 | ng/u1 | 100      |
| 74) Anthracene                | 17.504 | 178  | 7316343  | 34.386 | ng/u1 | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.416 | 216  | 2083250  | 35.691 | ng/u1 | 99       |
| 76) Pentachlorobenzene        | 14.934 | 250  | 2061230  | 34.637 | ng/u1 | 99       |
| 77) Carbazole                 | 17.775 | 167  | 6618318  | 36.935 | ng/u1 | 100      |
| 78) Di-n-butylphthalate       | 18.316 | 149  | 8070550  | 36.991 | ng/u1 | 100      |
| 80) Fluoranthene              | 19.375 | 202  | 8771536  | 37.329 | ng/u1 | 99       |
| 82) Pyrene                    | 19.728 | 202  | 8863555  | 36.567 | ng/u1 | 100      |
| 83) Butylbenzylphthalate      | 20.592 | 149  | 3517431  | 37.563 | ng/u1 | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.369 | 252  | 2897885  | 35.565 | ng/u1 | 100      |
| 85) Benzo(a)anthracene        | 21.439 | 228  | 8595095  | 35.896 | ng/u1 | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.351 | 149  | 4960033  | 37.550 | ng/u1 | 98       |
| 87) Chrysene                  | 21.498 | 228  | 8052069  | 35.560 | ng/u1 | 99       |
| 89) Di-n-octyl phthalate      | 22.304 | 149  | 8219400  | 42.347 | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 23.180 | 252  | 8393968  | 37.994 | ng/u1 | 99       |
| 91) Benzo(k)fluoranthene      | 23.233 | 252  | 7965325  | 36.359 | ng/u1 | 99       |
| 93) Benzo(a)pyrene            | 23.839 | 252  | 7011335  | 36.448 | ng/u1 | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.551 | 276  | 7412360  | 30.934 | ng/u1 | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.574 | 278  | 6602399  | 33.280 | ng/u1 | 100      |
| 96) Benzo(g,h,i)perylene      | 27.357 | 276  | 6147080  | 31.955 | ng/u1 | 99       |

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

