

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110222\  
 Data File : BP012522.D  
 Acq On : 04 Nov 2022 10:25  
 Operator : CG/JU  
 Sample : PB148748BS  
 Misc :  
 ALS Vial : 79 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS748

Quant Time: Nov 05 03:27:07 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP102522.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Nov 04 02:53:36 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/05/2022  
 Supervised By :mohammad ahmed 11/06/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.775  | 152  | 263812   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.575 | 136  | 1252570  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.428 | 164  | 835655   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.192 | 188  | 1837853  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.286 | 240  | 1622061  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.669 | 264  | 1413288  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.228  | 96   | 41270    | 6.299  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.664  | 84   | 40996    | 2.178  | ng/u1  | 0.01     |
| 7) Phenol-d5                  | 6.958  | 99   | 884005   | 37.360 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.116  | 67   | 500710   | 35.447 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.311  | 132  | 670145   | 38.783 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.499  | 113  | 723943   | 38.684 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.952  | 128  | 352643   | 43.415 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.669  | 143  | 396102   | 46.983 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.205 | 165  | 730782   | 39.997 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.734 | 131  | 75473    | 2.774  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.851 | 166  | 2213281  | 38.690 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.122 | 160  | 2465611  | 37.716 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.657 | 143  | 402891   | 37.213 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.428 | 176  | 1866579  | 38.111 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.569 | 200  | 370955   | 38.768 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.292 | 188  | 2969590  | 37.500 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.533 | 212  | 3380612  | 41.511 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.516 | 264  | 2686797  | 38.908 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.264  | 88   | 78564    | 11.279 | ng/uL  | 98       |
| 5) Pyridine                   | 3.676  | 79   | 257596   | 13.927 | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.928  | 77   | 513223m  | 45.989 | ng/u1  |          |
| 8) Phenol                     | 6.981  | 94   | 841665   | 34.210 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.211  | 93   | 643509   | 32.590 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.340  | 128  | 646166   | 34.352 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.234  | 108  | 643040   | 33.987 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.311  | 45   | 829085   | 31.309 | ng/u1  | 99       |
| 16) Acetophenone              | 8.611  | 105  | 988647   | 34.014 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.599  | 70   | 500001   | 35.732 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.563  | 108  | 718686   | 34.754 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.846  | 117  | 246516   | 34.075 | ng/u1  | 99       |
| 22) Nitrobenzene              | 8.993  | 77   | 750027   | 35.391 | ng/u1  | 99       |
| 23) Isophorone                | 9.516  | 82   | 1484081  | 33.465 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.699  | 139  | 397690   | 39.340 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.763  | 107  | 771950   | 34.777 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.999  | 93   | 930400   | 32.785 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.234 | 162  | 672929   | 35.478 | ng/u1  | 99       |
| 30) Naphthalene               | 10.628 | 128  | 2134067  | 32.147 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.757 | 127  | 454833   | 16.248 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.899 | 225  | 394412   | 33.424 | ng/u1  | 97       |
| 34) Caprolactam               | 11.563 | 113  | 232182m  | 35.976 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.887 | 107  | 773582   | 37.118 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.246 | 142  | 1505153  | 33.072 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.463 | 142  | 1502497  | 33.057 | ng/u1 | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.610 | 216  | 811573   | 33.064 | ng/u1 | 98       |
| 40) Hexachlorocyclopentadiene | 12.581 | 237  | 329747   | 29.037 | ng/u1 | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.863 | 196  | 568270   | 36.219 | ng/u1 | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.934 | 196  | 627256   | 36.655 | ng/u1 | 99       |
| 43) 1,1'-Biphenyl             | 13.263 | 154  | 1993619  | 32.445 | ng/u1 | 99       |
| 44) 2-Chloronaphthalene       | 13.304 | 162  | 1580155  | 32.725 | ng/u1 | 99       |
| 45) 2-Nitroaniline            | 13.522 | 65   | 489406   | 43.731 | ng/u1 | 97       |
| 47) Dimethylphthalate         | 13.898 | 163  | 2079536  | 34.503 | ng/u1 | 99       |
| 48) 2,6-Dinitrotoluene        | 14.022 | 165  | 441871   | 44.154 | ng/u1 | 98       |
| 50) Acenaphthylene            | 14.151 | 152  | 2455311  | 33.491 | ng/u1 | 100      |
| 51) 3-Nitroaniline            | 14.357 | 138  | 457703   | 37.352 | ng/u1 | 100      |
| 52) Acenaphthene              | 14.493 | 153  | 1705852  | 33.109 | ng/u1 | 99       |
| 53) 2,4-Dinitrophenol         | 14.569 | 184  | 201568   | 29.825 | ng/u1 | 96       |
| 55) 4-Nitrophenol             | 14.675 | 109  | 277257   | 33.845 | ng/u1 | 94       |
| 56) Dibenzofuran              | 14.834 | 168  | 2358290  | 33.528 | ng/u1 | 98       |
| 57) 2,4-Dinitrotoluene        | 14.816 | 165  | 629351   | 41.753 | ng/u1 | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.063 | 232  | 546322   | 37.614 | ng/u1 | 96       |
| 59) Diethylphthalate          | 15.263 | 149  | 2113819  | 36.044 | ng/u1 | 99       |
| 61) Fluorene                  | 15.487 | 166  | 1892649  | 33.865 | ng/u1 | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.481 | 204  | 935821   | 34.138 | ng/u1 | 98       |
| 63) 4-Nitroaniline            | 15.528 | 138  | 496643m  | 44.861 | ng/u1 |          |
| 66) 4,6-Dinitro-2-methylph... | 15.581 | 198  | 345063   | 33.846 | ng/u1 | 100      |
| 67) N-Nitrosodiphenylamine    | 15.698 | 169  | 1718091  | 33.192 | ng/u1 | 99       |
| 68) 4-Bromophenyl-phenylether | 16.381 | 248  | 644733   | 34.925 | ng/u1 | 99       |
| 69) Hexachlorobenzene         | 16.487 | 284  | 766306   | 34.611 | ng/u1 | 100      |
| 70) Atrazine                  | 16.663 | 200  | 437544   | 24.401 | ng/u1 | 99       |
| 71) Pentachlorophenol         | 16.845 | 266  | 452058   | 33.245 | ng/u1 | 98       |
| 72) Phenanthrene              | 17.234 | 178  | 3224225  | 33.208 | ng/u1 | 100      |
| 74) Anthracene                | 17.328 | 178  | 3238805  | 33.578 | ng/u1 | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.222 | 216  | 815808   | 31.031 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.746 | 250  | 822157   | 29.614 | ng/uL | 100      |
| 77) Carbazole                 | 17.604 | 167  | 2987729  | 34.778 | ng/u1 | 100      |
| 78) Di-n-butylphthalate       | 18.151 | 149  | 3743638  | 37.510 | ng/u1 | 100      |
| 80) Fluoranthene              | 19.210 | 202  | 3789437  | 37.687 | ng/u1 | 98       |
| 82) Pyrene                    | 19.563 | 202  | 3834426  | 36.818 | ng/u1 | 97       |
| 83) Butylbenzylphthalate      | 20.439 | 149  | 1712063  | 44.093 | ng/u1 | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.210 | 252  | 316985   | 8.996  | ng/u1 | 99       |
| 85) Benzo(a)anthracene        | 21.275 | 228  | 3466555  | 33.499 | ng/u1 | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.192 | 149  | 2473740  | 41.665 | ng/u1 | 100      |
| 87) Chrysene                  | 21.328 | 228  | 3280477  | 33.910 | ng/u1 | 99       |
| 89) Di-n-octyl phthalate      | 22.110 | 149  | 3993029  | 47.368 | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 22.945 | 252  | 3338000  | 37.299 | ng/u1 | 99       |
| 91) Benzo(k)fluoranthene      | 22.992 | 252  | 3024936  | 35.467 | ng/u1 | 98       |
| 93) Benzo(a)pyrene            | 23.563 | 252  | 2712189  | 34.704 | ng/u1 | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.139 | 276  | 3150654  | 32.353 | ng/u1 | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.151 | 278  | 2783247  | 31.919 | ng/u1 | 99       |
| 96) Benzo(g,h,i)perylene      | 26.898 | 276  | 2708132  | 31.459 | ng/u1 | 99       |

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

