

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100423\  
 Data File : BP017584.D  
 Acq On : 06 Oct 2023 02:11  
 Operator : MA/JU  
 Sample : PB155912BS  
 Misc :  
 ALS Vial : 59 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS912

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/07/2023  
 Supervised By :mohammad ahmed 10/07/2023

Quant Time: Oct 06 03:55:41 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100423.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 04 16:33:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.934  | 152  | 90843    | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.769 | 136  | 389862   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.628 | 164  | 258679   | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.416 | 188  | 583379   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.551 | 240  | 611407   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.127 | 264  | 653354   | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.287  | 96   | 17762    | 7.817  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.722  | 84   | 264754   | 44.514 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.093  | 99   | 351412   | 45.977 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.281  | 67   | 207332   | 44.455 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.452  | 132  | 275416   | 45.764 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.657  | 113  | 275378   | 45.005 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 9.146  | 128  | 134021   | 44.684 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.863  | 143  | 153986   | 45.520 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.387 | 165  | 294980   | 47.035 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.940 | 131  | 386493   | 43.261 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 14.045 | 166  | 904053   | 44.805 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.328 | 160  | 1012954  | 45.527 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.869 | 143  | 157680   | 44.624 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.634 | 176  | 783224   | 45.763 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.775 | 200  | 158038   | 43.453 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.516 | 188  | 1255015  | 46.475 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.769 | 212  | 1542177  | 45.393 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.957 | 264  | 1577180  | 47.833 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.322  | 88   | 41162    | 17.622 | ng/uL  | 93       |
| 5) Pyridine                   | 3.740  | 79   | 269460   | 43.144 | ng/u1  | 95       |
| 6) Benzaldehyde               | 7.093  | 77   | 191209   | 49.624 | ng/u1  | 96       |
| 8) Phenol                     | 7.122  | 94   | 384357   | 50.207 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.375  | 93   | 297193   | 47.946 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.487  | 128  | 305293   | 50.122 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.387  | 108  | 275801   | 48.072 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.452  | 45   | 386679m  | 47.377 | ng/u1  |          |
| 16) Acetophenone              | 8.793  | 105  | 467503   | 48.447 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.763  | 70   | 244732   | 49.428 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.722  | 108  | 310736   | 50.053 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.999  | 117  | 130008   | 48.084 | ng/u1  | 96       |
| 22) Nitrobenzene              | 9.187  | 77   | 376453   | 48.797 | ng/u1  | 99       |
| 23) Isophorone                | 9.704  | 82   | 688850   | 48.668 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.893  | 139  | 179115   | 49.899 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 9.934  | 107  | 296822   | 41.707 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.193 | 93   | 417369   | 48.228 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.416 | 162  | 308270   | 50.624 | ng/u1  | 97       |
| 30) Naphthalene               | 10.822 | 128  | 995237   | 47.846 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.963 | 127  | 343824   | 40.318 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.046 | 225  | 208974   | 47.255 | ng/u1  | 98       |
| 34) Caprolactam               | 11.804 | 113  | 96629    | 51.134 | ng/u1  | 97       |
| 35) 4-Chloro-3-methylphenol   | 12.081 | 107  | 336947   | 52.429 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.440 | 142  | 690083   | 48.551 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.657 | 142  | 680405   | 46.658 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.787 | 216  | 401172   | 47.335 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.734 | 237  | 172516   | 36.091 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.051 | 196  | 253448   | 46.925 | ng/ul | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.128 | 196  | 282988   | 49.759 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.457 | 154  | 946325   | 47.789 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.504 | 162  | 753612   | 47.867 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.751 | 65   | 232535   | 53.153 | ng/ul | 96       |
| 47) Dimethylphthalate         | 14.092 | 163  | 982957   | 48.468 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.245 | 165  | 199114   | 52.687 | ng/ul | 93       |
| 50) Acenaphthylene            | 14.357 | 152  | 1232259  | 47.890 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.587 | 138  | 202763   | 56.282 | ng/ul | 94       |
| 52) Acenaphthene              | 14.692 | 153  | 825810   | 48.623 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.792 | 184  | 92703    | 41.440 | ng/ul | 91       |
| 55) 4-Nitrophenol             | 14.881 | 109  | 154844   | 48.800 | ng/ul | 96       |
| 56) Dibenzofuran              | 15.034 | 168  | 1178844  | 49.317 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 15.034 | 165  | 301097   | 53.381 | ng/ul | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.257 | 232  | 239892   | 47.658 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.451 | 149  | 1003930  | 49.352 | ng/ul | 99       |
| 61) Fluorene                  | 15.687 | 166  | 983737   | 49.831 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.681 | 204  | 506372   | 50.070 | ng/ul | 97       |
| 63) 4-Nitroaniline            | 15.763 | 138  | 210530   | 62.173 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.787 | 198  | 178614   | 45.905 | ng/ul | 97       |
| 67) N-Nitrosodiphenylamine    | 15.910 | 169  | 816274   | 49.970 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.586 | 248  | 311926   | 50.436 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.669 | 284  | 366093   | 50.264 | ng/ul | 98       |
| 70) Atrazine                  | 16.869 | 200  | 175196   | 27.721 | ng/ul | 98       |
| 71) Pentachlorophenol         | 17.039 | 266  | 199007   | 45.135 | ng/ul | 98       |
| 72) Phenanthrene              | 17.457 | 178  | 1588139  | 50.581 | ng/ul | 100      |
| 74) Anthracene                | 17.551 | 178  | 1590790  | 49.709 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.410 | 216  | 288291   | 33.431 | ng/uL | 98       |
| 76) Pentachlorobenzene        | 14.922 | 250  | 393734   | 45.995 | ng/uL | 98       |
| 77) Carbazole                 | 17.845 | 167  | 1463539  | 50.930 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.351 | 149  | 1751065  | 50.557 | ng/ul | 100      |
| 80) Fluoranthene              | 19.439 | 202  | 1937131  | 48.945 | ng/ul | 99       |
| 82) Pyrene                    | 19.798 | 202  | 2061493  | 49.366 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.669 | 149  | 839732   | 51.204 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.474 | 252  | 682128   | 49.101 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.533 | 228  | 2150678  | 50.209 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.410 | 149  | 1214621  | 51.383 | ng/ul | 99       |
| 87) Chrysene                  | 21.592 | 228  | 1990703  | 49.719 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.398 | 149  | 2097812  | 50.756 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.327 | 252  | 2104112  | 51.302 | ng/ul | 98       |
| 91) Benzo(k)fluoranthene      | 23.380 | 252  | 2096946  | 51.280 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.010 | 252  | 1946942  | 50.777 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.868 | 276  | 2373109  | 50.628 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.892 | 278  | 1984326  | 50.240 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 27.721 | 276  | 1879704  | 49.990 | ng/ul | 100      |

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

