

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP112223\  
 Data File : BP018294.D  
 Acq On : 23 Nov 2023 01:59  
 Operator : MA/JU  
 Sample : PB156975BS  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS975

Quant Time: Nov 23 02:29:24 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 22 14:09:55 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/23/2023  
 Supervised By :mohammad ahmed 11/23/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.875  | 152  | 411244   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.675 | 136  | 1760839  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.504 | 164  | 1061711  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.257 | 188  | 1970615  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.357 | 240  | 1188418  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.780 | 264  | 1359431  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.276  | 96   | 57477    | 5.235  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.687  | 84   | 798017   | 26.447 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.034  | 99   | 1067710  | 28.409 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.211  | 67   | 641314   | 28.536 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.405  | 132  | 856821   | 27.153 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.587  | 113  | 857892   | 28.285 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.040  | 128  | 407740   | 28.509 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.758  | 143  | 384823   | 29.134 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.293 | 165  | 868228   | 27.245 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.810 | 131  | 1175262  | 27.345 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.928 | 166  | 2542188  | 26.909 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.199 | 160  | 2955557  | 27.457 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.698 | 143  | 355277   | 27.241 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.498 | 176  | 2115780  | 26.776 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.616 | 200  | 233281   | 27.809 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.357 | 188  | 2867213  | 27.222 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.592 | 212  | 2708828  | 28.640 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.622 | 264  | 2196420  | 27.868 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.311  | 88   | 119187   | 10.123 | ng/uL  | 95       |
| 5) Pyridine                   | 3.711  | 79   | 830565   | 27.319 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.011  | 77   | 610965   | 30.719 | ng/u1  | 99       |
| 8) Phenol                     | 7.064  | 94   | 1087765  | 29.505 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.305  | 93   | 909756   | 29.625 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.434  | 128  | 877327   | 27.713 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.316  | 108  | 837393   | 29.162 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.411  | 45   | 1277642  | 29.269 | ng/u1  | 99       |
| 16) Acetophenone              | 8.705  | 105  | 1378211  | 29.696 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.693  | 70   | 683639   | 26.369 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.652  | 108  | 906185   | 29.552 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.958  | 117  | 363422   | 27.489 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.081  | 77   | 961425   | 28.694 | ng/u1  | 97       |
| 23) Isophorone                | 9.611  | 82   | 1992751  | 26.684 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.787  | 139  | 447880   | 30.137 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.852  | 107  | 746318   | 22.368 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.099 | 93   | 1250254  | 27.720 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.322 | 162  | 870639   | 28.522 | ng/u1  | 98       |
| 30) Naphthalene               | 10.728 | 128  | 2945243  | 27.655 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.834 | 127  | 1085617  | 26.767 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.016 | 225  | 578812   | 27.802 | ng/u1  | 98       |
| 34) Caprolactam               | 11.599 | 113  | 272324m  | 30.959 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.957 | 107  | 890880   | 27.297 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.340 | 142  | 2051514  | 27.219 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.557 | 142  | 2022486  | 26.658 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.699 | 216  | 1096186  | 29.234 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.687 | 237  | 516777   | 24.333 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.940 | 196  | 668675   | 29.694 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.004 | 196  | 732296   | 30.073 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.352 | 154  | 2677277  | 28.942 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.387 | 162  | 2110961  | 28.832 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.587 | 65   | 482295   | 30.615 | ng/ul | 98       |
| 47) Dimethylphthalate         | 13.975 | 163  | 2590259  | 28.022 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.087 | 165  | 480973   | 30.863 | ng/ul | 96       |
| 50) Acenaphthylene            | 14.228 | 152  | 3396515  | 28.307 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.410 | 138  | 453918   | 29.315 | ng/ul | 99       |
| 52) Acenaphthene              | 14.569 | 153  | 2219517  | 28.316 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.610 | 184  | 146405   | 26.928 | ng/ul | 94       |
| 55) 4-Nitrophenol             | 14.710 | 109  | 275402   | 28.503 | ng/ul | 98       |
| 56) Dibenzofuran              | 14.910 | 168  | 3011488  | 28.103 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.869 | 165  | 627860   | 29.813 | ng/ul | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.128 | 232  | 541248   | 28.302 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.340 | 149  | 2518081  | 27.119 | ng/ul | 100      |
| 61) Fluorene                  | 15.557 | 166  | 2410091  | 27.579 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.557 | 204  | 1239708  | 27.937 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.575 | 138  | 422037   | 28.881 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.628 | 198  | 274724   | 29.528 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.769 | 169  | 2015009  | 30.153 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.451 | 248  | 752574   | 30.248 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.557 | 284  | 822242   | 29.561 | ng/ul | 97       |
| 70) Atrazine                  | 16.722 | 200  | 585190   | 28.685 | ng/ul | 100      |
| 71) Pentachlorophenol         | 16.898 | 266  | 402794   | 28.184 | ng/ul | 97       |
| 72) Phenanthrene              | 17.298 | 178  | 3470945  | 28.957 | ng/ul | 99       |
| 74) Anthracene                | 17.392 | 178  | 3434683  | 28.388 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.304 | 216  | 1097840  | 32.411 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.822 | 250  | 1036650  | 31.506 | ng/ul | 99       |
| 77) Carbazole                 | 17.657 | 167  | 2885957  | 29.442 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.228 | 149  | 3674948  | 26.954 | ng/ul | 100      |
| 80) Fluoranthene              | 19.269 | 202  | 3386536  | 29.971 | ng/ul | 100      |
| 82) Pyrene                    | 19.622 | 202  | 3371746  | 29.634 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.516 | 149  | 1107467  | 26.301 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.281 | 252  | 785353   | 27.323 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.339 | 228  | 2777079  | 28.673 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.298 | 149  | 1629283  | 25.790 | ng/ul | 99       |
| 87) Chrysene                  | 21.392 | 228  | 2567164  | 29.128 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.245 | 149  | 2527964  | 25.259 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.039 | 252  | 2685618  | 27.198 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.092 | 252  | 2730346  | 27.776 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 23.674 | 252  | 2632017  | 28.985 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.327 | 276  | 3419669  | 32.568 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.363 | 278  | 2813782  | 32.734 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.110 | 276  | 2822583  | 33.193 | ng/ul | 100      |

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

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Manual Integrations

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