

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092023\  
 Data File : BP017235.D  
 Acq On : 20 Sep 2023 12:51  
 Operator : MA/JU  
 Sample : SSTD04058  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD040620

Quant Time: Sep 20 14:13:15 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 20 13:27:02 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/21/2023  
 Supervised By :mohammad ahmed 09/21/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.946  | 152  | 178012   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.769 | 136  | 738494   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.604 | 164  | 410088   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.380 | 188  | 808551   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.486 | 240  | 725103   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.015 | 264  | 821798   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.305  | 96   | 68801    | 15.593 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.734  | 84   | 501150   | 40.412 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.099  | 99   | 619498   | 41.869 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.287  | 67   | 373280   | 40.632 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.463  | 132  | 495397   | 42.115 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.657  | 113  | 487639   | 40.373 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.146  | 128  | 233752   | 44.093 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.857  | 143  | 258829   | 45.555 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.381 | 165  | 469579   | 42.888 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.934 | 131  | 654299   | 39.909 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.022 | 166  | 1211806  | 40.573 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.304 | 160  | 1454059  | 42.663 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.828 | 143  | 206996   | 36.531 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.604 | 176  | 1031821  | 39.841 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.739 | 200  | 194298   | 42.253 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.480 | 188  | 1525650  | 43.098 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.721 | 212  | 1681325  | 43.361 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.851 | 264  | 1675264  | 42.186 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.340  | 88   | 69918    | 15.219 | ng/uL  | 98       |
| 5) Pyridine                   | 3.758  | 79   | 520674   | 40.526 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.105  | 77   | 355052   | 44.236 | ng/u1  | 97       |
| 8) Phenol                     | 7.122  | 94   | 620275   | 40.189 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.381  | 93   | 499837   | 40.454 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.499  | 128  | 498869   | 41.750 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.387  | 108  | 461837   | 40.180 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.457  | 45   | 633382m  | 38.521 | ng/u1  |          |
| 16) Acetophenone              | 8.793  | 105  | 754917   | 40.113 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.769  | 70   | 382326   | 39.909 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.722  | 108  | 497448   | 39.305 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.004  | 117  | 201960   | 41.026 | ng/u1  | 97       |
| 22) Nitrobenzene              | 9.187  | 77   | 574958   | 41.821 | ng/u1  | 100      |
| 23) Isophorone                | 9.698  | 82   | 1035619  | 40.631 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.893  | 139  | 277505   | 44.146 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 9.928  | 107  | 531260   | 41.481 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 10.187 | 93   | 646532   | 40.055 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.410 | 162  | 454074   | 40.995 | ng/u1  | 99       |
| 30) Naphthalene               | 10.822 | 128  | 1582997  | 41.210 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.957 | 127  | 628765   | 39.531 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.046 | 225  | 309481   | 40.963 | ng/u1  | 96       |
| 34) Caprolactam               | 11.781 | 113  | 125137   | 37.206 | ng/u1  | 96       |
| 35) 4-Chloro-3-methylphenol   | 12.057 | 107  | 461264   | 39.274 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.428 | 142  | 1034590  | 40.271 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.645 | 142  | 1061533  | 40.750 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.775 | 216  | 560828   | 44.197 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.722 | 237  | 320638   | 44.191 | ng/ul | 96       |
| 41) 2,4,6-Trichlorophenol     | 13.034 | 196  | 349265   | 43.743 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.104 | 196  | 366309   | 43.258 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.439 | 154  | 1323482  | 43.491 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.487 | 162  | 1045975  | 43.212 | ng/ul | 98       |
| 45) 2-Nitroaniline            | 13.722 | 65   | 270933   | 42.514 | ng/ul | 99       |
| 47) Dimethylphthalate         | 14.069 | 163  | 1214386  | 39.985 | ng/ul | 98       |
| 48) 2,6-Dinitrotoluene        | 14.216 | 165  | 236179   | 43.181 | ng/ul | 93       |
| 50) Acenaphthylene            | 14.334 | 152  | 1665244  | 42.208 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.551 | 138  | 238209   | 40.534 | ng/ul | 95       |
| 52) Acenaphthene              | 14.675 | 153  | 1079922  | 41.376 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.757 | 184  | 129133   | 36.176 | ng/ul | 99       |
| 55) 4-Nitrophenol             | 14.845 | 109  | 160269   | 35.479 | ng/ul | 98       |
| 56) Dibenzofuran              | 15.010 | 168  | 1459026  | 40.465 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 14.998 | 165  | 333433   | 40.938 | ng/ul | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.228 | 232  | 293801   | 39.770 | ng/ul | 96       |
| 59) Diethylphthalate          | 15.428 | 149  | 1157135  | 38.807 | ng/ul | 99       |
| 61) Fluorene                  | 15.663 | 166  | 1175922  | 39.663 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.651 | 204  | 600500   | 39.796 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.728 | 138  | 216901   | 40.014 | ng/ul | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.751 | 198  | 209508   | 42.278 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.881 | 169  | 969106   | 44.768 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.557 | 248  | 350782   | 44.106 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.639 | 284  | 393967   | 41.912 | ng/ul | 99       |
| 70) Atrazine                  | 16.833 | 200  | 330625   | 42.723 | ng/ul | 99       |
| 71) Pentachlorophenol         | 17.004 | 266  | 237415   | 39.246 | ng/ul | 98       |
| 72) Phenanthrene              | 17.422 | 178  | 1749520  | 41.693 | ng/ul | 99       |
| 74) Anthracene                | 17.516 | 178  | 1798010  | 42.326 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.392 | 216  | 559049   | 48.040 | ng/ul | 98       |
| 76) Pentachlorobenzene        | 14.898 | 250  | 511743   | 48.029 | ng/ul | 99       |
| 77) Carbazole                 | 17.804 | 167  | 1567398  | 41.919 | ng/ul | 98       |
| 78) Di-n-butylphthalate       | 18.310 | 149  | 1801288  | 43.015 | ng/ul | 99       |
| 80) Fluoranthene              | 19.392 | 202  | 1966310  | 43.500 | ng/ul | 99       |
| 82) Pyrene                    | 19.751 | 202  | 2060532  | 42.913 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.610 | 149  | 759196   | 44.851 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.410 | 252  | 668750   | 43.440 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.468 | 228  | 2037156  | 41.672 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.345 | 149  | 1076169  | 44.889 | ng/ul | 99       |
| 87) Chrysene                  | 21.527 | 228  | 1892327  | 41.519 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.315 | 149  | 1883865  | 41.352 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.227 | 252  | 2022009  | 41.167 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.286 | 252  | 2042028  | 41.425 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.904 | 252  | 1980088  | 42.878 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.698 | 276  | 2482285  | 46.669 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.727 | 278  | 2077568  | 46.606 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 27.539 | 276  | 1983769  | 47.745 | ng/ul | 100      |

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

