

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102124\  
 Data File : BP022550.D  
 Acq On : 22 Oct 2024 23:53  
 Operator : RC/JU  
 Sample : P4429-18MSD  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4F56MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/23/2024  
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 23 02:13:51 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 22 05:59:59 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.663  | 152  | 129123   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.410 | 136  | 501967   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.269 | 164  | 394258   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.080 | 188  | 954104   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.510 | 240  | 895779   | 20.000 | ng/u1  | 0.01     |
| 88) Perylene-d12              | 24.780 | 264  | 1055011  | 20.000 | ng/u1  | 0.03     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.199  | 96   | 10164    | 3.059  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.610  | 84   | 147628   | 16.184 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.851  | 99   | 230807   | 21.235 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.004  | 67   | 128701   | 20.146 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.204  | 132  | 171087   | 22.183 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.369  | 113  | 193064   | 22.257 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.804  | 128  | 85086    | 22.045 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.516  | 143  | 104483   | 23.382 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.051 | 165  | 222176   | 23.394 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.557 | 131  | 211904   | 18.883 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.692 | 166  | 690528   | 22.044 | ng/u1  | 0.01     |
| 49) Acenaphthylene-d8         | 13.963 | 160  | 735396   | 22.104 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.504 | 143  | 99008    | 18.840 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.286 | 176  | 606236   | 22.313 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.433 | 200  | 106180   | 16.921 | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.174 | 188  | 1017147  | 22.662 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.545 | 212  | 1210191  | 25.547 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 24.533 | 264  | 1311508  | 23.277 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.228  | 88   | 33195    | 9.291  | ng/uL  | 99       |
| 5) Pyridine                   | 3.628  | 79   | 230395   | 24.633 | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.822  | 77   | 44278    | 7.538  | ng/u1  | 96       |
| 8) Phenol                     | 6.881  | 94   | 342381   | 30.277 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.098  | 93   | 246636   | 29.142 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.240  | 128  | 247496   | 31.033 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.104  | 108  | 249771   | 30.435 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.169  | 45   | 278855   | 28.350 | ng/u1  | 98       |
| 16) Acetophenone              | 8.469  | 105  | 410626   | 28.674 | ng/u1  | 94       |
| 17) N-Nitroso-di-n-propyla... | 8.457  | 70   | 210788   | 29.053 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.428  | 108  | 275752   | 30.288 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.722  | 117  | 106623   | 28.706 | ng/u1  | 99       |
| 22) Nitrobenzene              | 8.845  | 77   | 326236   | 28.317 | ng/u1  | 97       |
| 23) Isophorone                | 9.369  | 82   | 605489   | 29.312 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.545  | 139  | 152104   | 31.585 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.616  | 107  | 320922   | 30.659 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.834  | 93   | 343460   | 29.284 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.081 | 162  | 297841   | 31.846 | ng/u1  | 99       |
| 30) Naphthalene               | 10.463 | 128  | 789024   | 29.511 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.587 | 127  | 233487   | 21.078 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 10.745 | 225  | 229226   | 29.080 | ng/u1  | 99       |
| 34) Caprolactam               | 11.369 | 113  | 91805    | 30.448 | ng/u1  | 92       |
| 35) 4-Chloro-3-methylphenol   | 11.716 | 107  | 327813   | 32.126 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.075 | 142  | 594498   | 30.292 | ng/u1  | 97       |

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### Manual Integrations APPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.304 | 142  | 587481   | 29.328 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.445 | 216  | 438831   | 30.102 | ng/ul | 95       |
| 40) Hexachlorocyclopentadiene | 12.422 | 237  | 112183   | 12.631 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.698 | 196  | 292119   | 31.857 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.781 | 196  | 319323   | 32.704 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.104 | 154  | 855009   | 30.087 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.139 | 162  | 694072   | 29.836 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.357 | 65   | 211145   | 30.397 | ng/ul | 90       |
| 47) Dimethylphthalate         | 13.739 | 163  | 931862   | 29.854 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.857 | 165  | 196867   | 33.345 | ng/ul | 92       |
| 50) Acenaphthylene            | 13.992 | 152  | 1051387  | 30.449 | ng/ul | 98       |
| 51) 3-Nitroaniline            | 14.186 | 138  | 167673   | 30.238 | ng/ul | 99       |
| 52) Acenaphthene              | 14.345 | 153  | 742728   | 30.419 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.416 | 184  | 95058    | 21.883 | ng/ul | 95       |
| 55) 4-Nitrophenol             | 14.516 | 109  | 168416   | 28.875 | ng/ul | 96       |
| 56) Dibenzofuran              | 14.692 | 168  | 1109221  | 30.243 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.657 | 165  | 299212   | 32.614 | ng/ul | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.922 | 232  | 290905   | 31.920 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.116 | 149  | 903528   | 30.172 | ng/ul | 99       |
| 61) Fluorene                  | 15.339 | 166  | 910412   | 30.464 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.333 | 204  | 515729   | 30.178 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.386 | 138  | 191593m  | 34.337 | ng/ul |          |
| 66) 4,6-Dinitro-2-methylph... | 15.451 | 198  | 162526   | 24.046 | ng/ul | 95       |
| 67) N-Nitrosodiphenylamine    | 15.551 | 169  | 775350   | 30.346 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.245 | 248  | 356992   | 31.027 | ng/ul | 96       |
| 69) Hexachlorobenzene         | 16.363 | 284  | 437579   | 30.897 | ng/ul | 99       |
| 70) Atrazine                  | 16.527 | 200  | 343378   | 32.332 | ng/ul | 94       |
| 71) Pentachlorophenol         | 16.722 | 266  | 275927   | 30.301 | ng/ul | 99       |
| 72) Phenanthrene              | 17.122 | 178  | 1559398  | 30.549 | ng/ul | 99       |
| 74) Anthracene                | 17.210 | 178  | 1516268  | 29.766 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.063 | 216  | 438423   | 30.179 | ng/ul | 98       |
| 76) Pentachlorobenzene        | 14.598 | 250  | 472028   | 29.392 | ng/ul | 99       |
| 77) Carbazole                 | 17.504 | 167  | 1345036  | 29.841 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.080 | 149  | 1581945  | 31.719 | ng/ul | 100      |
| 80) Fluoranthene              | 19.198 | 202  | 2010552  | 36.919 | ng/ul | 99       |
| 82) Pyrene                    | 19.580 | 202  | 2051822  | 35.153 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.527 | 149  | 714612   | 35.165 | ng/ul | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.404 | 252  | 434234   | 20.336 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.486 | 228  | 1977244  | 31.486 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.415 | 149  | 1004752  | 34.445 | ng/ul | 100      |
| 87) Chrysene                  | 21.557 | 228  | 1838955  | 31.582 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.651 | 149  | 1649025  | 32.860 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.733 | 252  | 2050713  | 30.880 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.804 | 252  | 2068355  | 31.812 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.609 | 252  | 1867674  | 30.558 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.468 | 276  | 2549020m | 31.253 | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 28.533 | 278  | 2028735  | 30.717 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 29.609 | 276  | 1953457  | 30.792 | ng/ul | 99       |

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

