

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070324\  
 Data File : BP020770.D  
 Acq On : 03 Jul 2024 14:33  
 Operator : MA/JU  
 Sample : P3065-02MS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4CX6MS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/05/2024  
 Supervised By :mohammad ahmed 07/05/2024

Quant Time: Jul 04 02:09:47 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 03 15:01:56 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.740  | 152  | 209623   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.499 | 136  | 843820   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.357 | 164  | 521094   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.169 | 188  | 1062903  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.616 | 240  | 937399   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.968 | 264  | 1128781  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.275  | 96   | 19861    | 4.069  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.693  | 84   | 150608   | 10.586 | ng/u1  | 0.01     |
| 7) Phenol-d5                  | 6.922  | 99   | 537830   | 31.282 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.081  | 67   | 310679   | 28.504 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.275  | 132  | 437013   | 31.101 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.446  | 113  | 433017   | 31.010 | ng/u1  | 0.01     |
| 21) Nitrobenzene-d5           | 8.881  | 128  | 215099   | 34.527 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.593  | 143  | 249499   | 40.020 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.128 | 165  | 485050   | 37.770 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.640 | 131  | 245023   | 13.615 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.763 | 166  | 1396788  | 38.552 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.045 | 160  | 1553349  | 35.930 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.592 | 143  | 233448   | 42.171 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.369 | 176  | 1174131  | 38.511 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.504 | 200  | 252934   | 47.221 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.269 | 188  | 1799309  | 37.719 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.645 | 212  | 1824261  | 32.394 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.745 | 264  | 1425060  | 25.953 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.311  | 88   | 63572    | 11.637 | ng/uL  | 98       |
| 5) Pyridine                   | 3.711  | 79   | 250771   | 17.016 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.899  | 77   | 214988   | 24.727 | ng/u1  | 98       |
| 8) Phenol                     | 6.952  | 94   | 671098   | 38.276 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.169  | 93   | 498028   | 34.310 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.310  | 128  | 531775   | 37.646 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.175  | 108  | 501235   | 37.261 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.252  | 45   | 710784   | 32.221 | ng/u1  | 99       |
| 16) Acetophenone              | 8.552  | 105  | 801978   | 35.963 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.534  | 70   | 390705   | 32.962 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.505  | 108  | 548546   | 38.524 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.799  | 117  | 171195   | 27.918 | ng/u1  | 91       |
| 22) Nitrobenzene              | 8.922  | 77   | 587839   | 36.398 | ng/u1  | 98       |
| 23) Isophorone                | 9.446  | 82   | 1141537  | 35.674 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.622  | 139  | 311071   | 46.203 | ng/u1  | 93       |
| 26) 2,4-Dimethylphenol        | 9.687  | 107  | 535191   | 34.130 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.922  | 93   | 682240   | 35.839 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.157 | 162  | 540380   | 42.513 | ng/u1  | 98       |
| 30) Naphthalene               | 10.551 | 128  | 1690497  | 37.430 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.669 | 127  | 345221   | 19.923 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.816 | 225  | 370383   | 38.976 | ng/u1  | 100      |
| 34) Caprolactam               | 11.463 | 113  | 151311m  | 39.117 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.793 | 107  | 595394   | 42.424 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.151 | 142  | 1173616  | 38.792 | ng/u1  | 100      |

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| 37) 1-Methylnaphthalene       | 12.381 | 142  | 1201374  | 38.844 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.522 | 216  | 671666   | 40.315 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.493 | 237  | 269563   | 25.995 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.775 | 196  | 448372   | 45.114 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.851 | 196  | 492995   | 47.827 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.181 | 154  | 1513412  | 38.834 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.222 | 162  | 1206081  | 39.294 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.434 | 65   | 379749   | 49.120 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.816 | 163  | 1544247  | 41.842 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.940 | 165  | 329083   | 50.005 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.075 | 152  | 1969691  | 40.334 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.281 | 138  | 266030   | 43.494 | ng/ul  | 94       |
| 52) Acenaphthene              | 14.422 | 153  | 1288210  | 39.766 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.487 | 184  | 205923   | 60.324 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.604 | 109  | 248765   | 50.216 | ng/ul  | 98       |
| 56) Dibenzofuran              | 14.763 | 168  | 1783655  | 40.860 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.739 | 165  | 476782   | 52.485 | ng/ul  | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.998 | 232  | 409921   | 48.149 | ng/ul  | 93       |
| 59) Diethylphthalate          | 15.198 | 149  | 1554847  | 42.710 | ng/ul  | 98       |
| 61) Fluorene                  | 15.422 | 166  | 1480172  | 42.202 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.416 | 204  | 744375   | 40.671 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.457 | 138  | 301129m  | 51.875 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.516 | 198  | 302858   | 52.782 | ng/ul# | 90       |
| 67) N-Nitrosodiphenylamine    | 15.639 | 169  | 1266247  | 40.396 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.334 | 248  | 495206   | 41.769 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.445 | 284  | 445873   | 33.596 | ng/ul  | 97       |
| 70) Atrazine                  | 16.616 | 200  | 333657   | 30.194 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.816 | 266  | 333682   | 43.671 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.216 | 178  | 3446954  | 61.929 | ng/ul  | 99       |
| 74) Anthracene                | 17.304 | 178  | 2475758  | 43.243 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.140 | 216  | 680610   | 39.447 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.681 | 250  | 556187   | 33.823 | ng/uL  | 99       |
| 77) Carbazole                 | 17.586 | 167  | 2019609  | 42.743 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.169 | 149  | 2772309  | 45.174 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.298 | 202  | 5337045  | 77.585 | ng/ul  | 98       |
| 82) Pyrene                    | 19.680 | 202  | 4060779  | 57.560 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.633 | 149  | 1256793  | 47.976 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.521 | 252  | 311196   | 15.015 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.598 | 228  | 3992952  | 60.772 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.533 | 149  | 2411968  | 59.301 | ng/ul# | 98       |
| 87) Chrysene                  | 21.674 | 228  | 4002328  | 64.445 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.816 | 149  | 3097980  | 42.752 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.921 | 252  | 4772050  | 69.784 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.986 | 252  | 3648000  | 52.738 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.815 | 252  | 2036551  | 31.549 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.780 | 276  | 3380513  | 40.828 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 28.856 | 278  | 3168548  | 46.562 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 29.962 | 276  | 398728m  | 5.898  | ng/ul  |          |

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

