

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM022424\  
 Data File : BM044315.D  
 Acq On : 25 Feb 2024 03:47  
 Operator : MA/JU  
 Sample : P1494-15MS  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

Quant Time: Feb 26 01:28:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM022324.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Feb 25 22:57:38 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.922  | 152  | 218279   | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8            | 10.728 | 136  | 973446   | 20.000 | ng/u1 | 0.01     |
| 38) Acenaphthene-d10          | 14.563 | 164  | 577537   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10          | 17.315 | 188  | 1211690  | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12              | 21.521 | 240  | 1041334  | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12              | 23.927 | 264  | 1154005  | 20.000 | ng/u1 | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.357  | 96   | 28172    | 4.072  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.775  | 84   | 226736   | 12.000 | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 7.087  | 99   | 183865   | 8.793  | ng/u1 | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.263  | 67   | 539523   | 39.844 | ng/u1 | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.451  | 132  | 517236   | 32.843 | ng/u1 | 0.01     |
| 15) 4-Methylphenol-d8         | 8.640  | 113  | 325642   | 20.582 | ng/u1 | 0.01     |
| 21) Nitrobenzene-d5           | 9.092  | 128  | 339675   | 42.916 | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.810  | 143  | 358607   | 44.409 | ng/u1 | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.345 | 165  | 583350   | 40.953 | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.875 | 131  | 868981   | 36.323 | ng/u1 | 0.01     |
| 46) Dimethylphthalate-d6      | 13.992 | 166  | 2120388  | 47.604 | ng/u1 | 0.01     |
| 49) Acenaphthylene-d8         | 14.263 | 160  | 2399810  | 46.828 | ng/u1 | 0.01     |
| 54) 4-Nitrophenol-d4          | 14.774 | 143  | 92168    | 10.399 | ng/u1 | 0.01     |
| 60) Fluorene-d10              | 15.563 | 176  | 1803556  | 47.839 | ng/u1 | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.692 | 200  | 368400   | 49.000 | ng/u1 | 0.01     |
| 73) Anthracene-d10            | 17.415 | 188  | 2739524  | 47.417 | ng/u1 | 0.00     |
| 81) Pyrene-d10                | 19.715 | 212  | 3164332  | 50.510 | ng/u1 | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.774 | 264  | 3019851  | 51.069 | ng/u1 | 0.01     |
| Target Compounds              |        |      |          |        |       |          |
| 2) 1,4-Dioxane                | 3.393  | 88   | 42560    | 5.836  | ng/uL | 95       |
| 5) Pyridine                   | 3.793  | 79   | 258532   | 13.079 | ng/u1 | 99       |
| 6) Benzaldehyde               | 7.069  | 77   | 399542m  | 44.018 | ng/u1 |          |
| 8) Phenol                     | 7.116  | 94   | 201636   | 9.277  | ng/u1 | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.357  | 93   | 728385   | 40.036 | ng/u1 | 99       |
| 12) 2-Chlorophenol            | 7.481  | 128  | 534640   | 32.814 | ng/u1 | 98       |
| 13) 2-Methylphenol            | 8.369  | 108  | 392923   | 24.537 | ng/u1 | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.451  | 45   | 981009   | 39.438 | ng/u1 | 99       |
| 16) Acetophenone              | 8.757  | 105  | 1087307  | 43.015 | ng/u1 | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.739  | 70   | 569860   | 45.003 | ng/u1 | 98       |
| 18) 4-Methylphenol            | 8.698  | 108  | 370774   | 21.736 | ng/u1 | 100      |
| 19) Hexachloroethane          | 8.992  | 117  | 275356   | 39.837 | ng/u1 | 96       |
| 22) Nitrobenzene              | 9.134  | 77   | 792965   | 41.426 | ng/u1 | 98       |
| 23) Isophorone                | 9.663  | 82   | 1653991  | 44.585 | ng/u1 | 100      |
| 25) 2-Nitrophenol             | 9.845  | 139  | 383098   | 42.775 | ng/u1 | 97       |
| 26) 2,4-Dimethylphenol        | 9.904  | 107  | 443680   | 25.945 | ng/u1 | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.151 | 93   | 1022491  | 42.397 | ng/u1 | 100      |
| 29) 2,4-Dichlorophenol        | 10.375 | 162  | 576768   | 40.008 | ng/u1 | 99       |
| 30) Naphthalene               | 10.775 | 128  | 2270799  | 41.017 | ng/u1 | 100      |
| 32) 4-Chloroaniline           | 10.898 | 127  | 711289   | 30.511 | ng/u1 | 99       |
| 33) Hexachlorobutadiene       | 11.051 | 225  | 348272   | 40.099 | ng/u1 | 98       |
| 34) Caprolactam               | 11.686 | 113  | 29111m   | 5.842  | ng/u1 |          |
| 35) 4-Chloro-3-methylphenol   | 12.016 | 107  | 608548   | 39.622 | ng/u1 | 99       |
| 36) 2-Methylnaphthalene       | 12.392 | 142  | 1526222  | 43.280 | ng/u1 | 99       |

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 QLast Update : Sun Feb 25 22:57:38 2024  
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Manual Integrations  
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Reviewed By :Yogesh  
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|-------------------------------|--------|------|----------|--------|--------|----------|-------------------------|
| 37) 1-Methylnaphthalene       | 12.610 | 142  | 1517962  | 43.545 | ng/ul  | 99       | 02/26/2024              |
| 39) 1,2,4,5-Tetrachloroben... | 12.751 | 216  | 721502   | 42.201 | ng/ul  | 99       | Supervised By :mohammad |
| 40) Hexachlorocyclopentadiene | 12.722 | 237  | 353677   | 30.747 | ng/ul  | 99       | ahmed                   |
| 41) 2,4,6-Trichlorophenol     | 12.998 | 196  | 492105   | 45.157 | ng/ul  | 99       |                         |
| 42) 2,4,5-Trichlorophenol     | 13.063 | 196  | 531984   | 45.157 | ng/ul  | 97       |                         |
| 43) 1,1'-Biphenyl             | 13.404 | 154  | 2010477  | 42.759 | ng/ul  | 98       |                         |
| 44) 2-Chloronaphthalene       | 13.445 | 162  | 1581277  | 42.952 | ng/ul  | 100      | 02/26/2024              |
| 45) 2-Nitroaniline            | 13.657 | 65   | 516139   | 50.637 | ng/ul  | 98       |                         |
| 47) Dimethylphthalate         | 14.039 | 163  | 2148520  | 47.195 | ng/ul  | 99       |                         |
| 48) 2,6-Dinitrotoluene        | 14.163 | 165  | 443421   | 52.084 | ng/ul  | 98       |                         |
| 50) Acenaphthylene            | 14.292 | 152  | 2709277  | 44.633 | ng/ul  | 99       |                         |
| 51) 3-Nitroaniline            | 14.486 | 138  | 432169   | 48.117 | ng/ul  | 95       |                         |
| 52) Acenaphthene              | 14.633 | 153  | 1775975  | 44.318 | ng/ul  | 99       |                         |
| 53) 2,4-Dinitrophenol         | 14.692 | 184  | 247108   | 46.775 | ng/ul  | 97       |                         |
| 55) 4-Nitrophenol             | 14.786 | 109  | 64121    | 10.531 | ng/ul  | 95       |                         |
| 56) Dibenzofuran              | 14.969 | 168  | 2407568  | 44.754 | ng/ul  | 100      |                         |
| 57) 2,4-Dinitrotoluene        | 14.945 | 165  | 642555   | 52.535 | ng/ul  | 98       |                         |
| 58) 2,3,4,6-Tetrachlorophenol | 15.192 | 232  | 445008   | 46.937 | ng/ul  | 98       |                         |
| 59) Diethylphthalate          | 15.404 | 149  | 2293887  | 48.951 | ng/ul  | 99       |                         |
| 61) Fluorene                  | 15.616 | 166  | 1991314  | 46.088 | ng/ul  | 100      |                         |
| 62) 4-Chlorophenyl-phenyle... | 15.616 | 204  | 935009   | 45.918 | ng/ul  | 98       |                         |
| 63) 4-Nitroaniline            | 15.651 | 138  | 472636   | 54.407 | ng/ul  | 98       |                         |
| 66) 4,6-Dinitro-2-methylph... | 15.704 | 198  | 382363   | 46.491 | ng/ul# | 99       |                         |
| 67) N-Nitrosodiphenylamine    | 15.833 | 169  | 1734982  | 47.250 | ng/ul  | 100      |                         |
| 68) 4-Bromophenyl-phenylether | 16.515 | 248  | 557460   | 46.305 | ng/ul  | 94       |                         |
| 69) Hexachlorobenzene         | 16.610 | 284  | 646090   | 46.889 | ng/ul  | 99       |                         |
| 70) Atrazine                  | 16.792 | 200  | 404200   | 33.604 | ng/ul  | 97       |                         |
| 71) Pentachlorophenol         | 16.962 | 266  | 395568   | 43.562 | ng/ul  | 99       |                         |
| 72) Phenanthrene              | 17.362 | 178  | 3232231  | 46.500 | ng/ul  | 100      |                         |
| 74) Anthracene                | 17.451 | 178  | 3233105  | 46.197 | ng/ul  | 99       |                         |
| 75) 1,2,3,4-Tetrachloroben... | 13.363 | 216  | 727245   | 42.876 | ng/ul  | 99       |                         |
| 76) Pentachlorobenzene        | 14.880 | 250  | 724117   | 44.720 | ng/ul  | 98       |                         |
| 77) Carbazole                 | 17.727 | 167  | 3111102  | 47.276 | ng/ul  | 100      |                         |
| 78) Di-n-butylphthalate       | 18.304 | 149  | 4376071  | 52.521 | ng/ul  | 99       |                         |
| 80) Fluoranthene              | 19.380 | 202  | 3688364  | 49.089 | ng/ul  | 99       |                         |
| 82) Pyrene                    | 19.745 | 202  | 3839262  | 48.724 | ng/ul  | 100      |                         |
| 83) Butylbenzylphthalate      | 20.662 | 149  | 2015368  | 56.944 | ng/ul  | 99       |                         |
| 84) 3,3'-Dichlorobenzidine    | 21.445 | 252  | 1117144  | 47.962 | ng/ul  | 99       |                         |
| 85) Benzo(a)anthracene        | 21.503 | 228  | 3769147  | 48.532 | ng/ul  | 98       |                         |
| 86) Bis(2-ethylhexyl)phtha... | 21.450 | 149  | 2991976  | 55.217 | ng/ul  | 100      |                         |
| 87) Chrysene                  | 21.556 | 228  | 3536633  | 48.444 | ng/ul  | 100      |                         |
| 89) Di-n-octyl phthalate      | 22.392 | 149  | 5386214  | 54.476 | ng/ul  | 100      |                         |
| 90) Benzo(b)fluoranthene      | 23.197 | 252  | 3799111  | 51.352 | ng/ul  | 99       |                         |
| 91) Benzo(k)fluoranthene      | 23.244 | 252  | 3680053  | 48.431 | ng/ul  | 99       |                         |
| 93) Benzo(a)pyrene            | 23.827 | 252  | 3530341  | 49.494 | ng/ul  | 99       |                         |
| 94) Indeno(1,2,3-cd)pyrene    | 26.438 | 276  | 4211471  | 48.825 | ng/ul  | 99       |                         |
| 95) Dibenzo(a,h)anthracene    | 26.468 | 278  | 3570776  | 49.538 | ng/ul  | 98       |                         |
| 96) Benzo(g,h,i)perylene      | 27.209 | 276  | 3365287  | 48.231 | ng/ul  | 98       |                         |

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

