

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070623\  
 Data File : BP016043.D  
 Acq On : 06 Jul 2023 21:29  
 Operator : MA/JU  
 Sample : 03257-10MSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EXYY0MSD

Quant Time: Jul 07 00:19:47 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 06 23:18:26 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/07/2023  
 Supervised By :mohammad ahmed 07/07/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.028  | 152  | 275348   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.845 | 136  | 1233720  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.675 | 164  | 804512   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.439 | 188  | 1840967  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.533 | 240  | 1687521  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.080 | 264  | 1602513  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.352  | 96   | 29638    | 3.873  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.811  | 84   | 190562   | 9.878  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.222  | 99   | 190626   | 8.091  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.352  | 67   | 468982   | 32.176 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.563  | 132  | 436233   | 24.529 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.769  | 113  | 304504   | 16.361 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.216  | 128  | 294126   | 31.195 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.940  | 143  | 330090   | 29.997 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.498 | 165  | 552069   | 28.153 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.016 | 131  | 766417   | 30.425 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.086 | 166  | 2226504  | 35.806 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.369 | 160  | 2300260  | 32.907 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.969 | 143  | 35171m   | 4.286  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.669 | 176  | 1782893  | 34.821 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.845 | 200  | 386075   | 34.100 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.539 | 188  | 2882625  | 34.279 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.774 | 212  | 3574612  | 32.440 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.904 | 264  | 2947675  | 36.464 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.387  | 88   | 30408    | 3.692  | ng/uL  | 99       |
| 5) Pyridine                   | 3.828  | 79   | 159557   | 7.906  | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.175  | 77   | 401716   | 42.175 | ng/u1  | 95       |
| 8) Phenol                     | 7.252  | 94   | 151539   | 6.198  | ng/u1  | 89       |
| 10) Bis(2-Chloroethyl)ether   | 7.446  | 93   | 520937   | 26.781 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.593  | 128  | 370221   | 19.595 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.499  | 108  | 290770   | 15.753 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.557  | 45   | 760037m  | 28.608 | ng/u1  |          |
| 16) Acetophenone              | 8.869  | 105  | 842404   | 27.535 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.846  | 70   | 474106   | 27.902 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.840  | 108  | 275294   | 13.881 | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.093  | 117  | 179610   | 20.583 | ng/u1  | 99       |
| 22) Nitrobenzene              | 9.257  | 77   | 653790   | 24.692 | ng/u1  | 93       |
| 23) Isophorone                | 9.781  | 82   | 1367406  | 26.987 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.975  | 139  | 295911   | 25.338 | ng/u1  | 91       |
| 26) 2,4-Dimethylphenol        | 10.034 | 107  | 399810   | 15.573 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.257 | 93   | 785256   | 27.454 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.528 | 162  | 466116   | 23.909 | ng/u1  | 99       |
| 30) Naphthalene               | 10.898 | 128  | 1657439  | 24.713 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.040 | 127  | 617010   | 23.575 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.157 | 225  | 311819   | 21.180 | ng/u1  | 99       |
| 34) Caprolactam               | 11.881 | 113  | 32106m   | 5.384  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.175 | 107  | 501289   | 21.967 | ng/u1  | 94       |
| 36) 2-Methylnaphthalene       | 12.510 | 142  | 1165844  | 26.406 | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.728 | 142  | 1208204  | 26.825 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.881 | 216  | 692713   | 26.129 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.828 | 237  | 100483   | 12.669 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.134 | 196  | 448723   | 26.782 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.222 | 196  | 486850   | 27.395 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.510 | 154  | 1678663  | 26.343 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.557 | 162  | 1310969  | 26.115 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.792 | 65   | 466316   | 29.523 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 14.134 | 163  | 1907083  | 29.635 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.281 | 165  | 405721   | 31.081 | ng/ul  | 94       |
| 50) Acenaphthylene            | 14.398 | 152  | 2105376  | 27.335 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.628 | 138  | 361363   | 35.301 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.739 | 153  | 1472634  | 27.572 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.869 | 184  | 189028   | 27.294 | ng/ul# | 81       |
| 55) 4-Nitrophenol             | 14.998 | 109  | 69421    | 8.164  | ng/ul# | 36       |
| 56) Dibenzofuran              | 15.081 | 168  | 2102905  | 28.363 | ng/ul  | 94       |
| 57) 2,4-Dinitrotoluene        | 15.092 | 165  | 573124   | 32.218 | ng/ul# | 81       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.322 | 232  | 464046   | 30.400 | ng/ul  | 93       |
| 59) Diethylphthalate          | 15.486 | 149  | 1970130  | 30.252 | ng/ul  | 98       |
| 61) Fluorene                  | 15.728 | 166  | 1757331  | 29.221 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.710 | 204  | 883655   | 28.716 | ng/ul  | 93       |
| 63) 4-Nitroaniline            | 15.804 | 138  | 336758   | 48.066 | ng/ul# | 82       |
| 66) 4,6-Dinitro-2-methylph... | 15.857 | 198  | 331001   | 28.895 | ng/ul  | 100      |
| 67) N-Nitrosodiphenylamine    | 15.933 | 169  | 1529277  | 27.748 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.610 | 248  | 609075   | 28.973 | ng/ul  | 88       |
| 69) Hexachlorobenzene         | 16.739 | 284  | 751791   | 30.308 | ng/ul  | 93       |
| 70) Atrazine                  | 16.898 | 200  | 516077   | 24.463 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 17.110 | 266  | 339132   | 28.486 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.480 | 178  | 2952772  | 29.524 | ng/ul  | 100      |
| 74) Anthracene                | 17.580 | 178  | 2923147  | 29.088 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.481 | 216  | 708730   | 23.659 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.998 | 250  | 788834   | 26.091 | ng/ul  | 100      |
| 77) Carbazole                 | 17.863 | 167  | 2756738  | 32.546 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.369 | 149  | 3542192  | 31.545 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.445 | 202  | 3618392  | 26.422 | ng/ul  | 97       |
| 82) Pyrene                    | 19.804 | 202  | 3739094  | 26.766 | ng/ul  | 95       |
| 83) Butylbenzylphthalate      | 20.645 | 149  | 1600471  | 28.082 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.451 | 252  | 1128745  | 29.589 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.516 | 228  | 3396633  | 28.613 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.392 | 149  | 2394129  | 30.567 | ng/ul  | 98       |
| 87) Chrysene                  | 21.574 | 228  | 3426358  | 30.422 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.351 | 149  | 3653540  | 31.197 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.286 | 252  | 3061381  | 29.731 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.339 | 252  | 3344386  | 32.146 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.962 | 252  | 2679051  | 29.776 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.768 | 276  | 2965191  | 24.277 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 26.768 | 278  | 2485619  | 24.776 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.615 | 276  | 2348603  | 23.374 | ng/ul  | 99       |

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

