

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121824\  
 Data File : BP023512.D  
 Acq On : 19 Dec 2024 01:06  
 Operator : RC/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020758

Quant Time: Dec 19 05:27:08 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 11 00:30:30 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024  
 Supervised By :mohammad ahmed 12/21/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.528  | 152  | 252970   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.269 | 136  | 981489   | 20.000 | ng/u1  | #-0.01   |
| 38) Acenaphthene-d10          | 14.140 | 164  | 696291   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.951 | 188  | 1487406  | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.374 | 240  | 1590519  | 20.000 | ng/u1  | #-0.01   |
| 88) Perylene-d12              | 24.545 | 264  | 1658237  | 20.000 | ng/u1  | -0.03    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.093  | 96   | 46799    | 6.811  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.505  | 84   | 351596   | 19.899 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 6.740  | 99   | 421954   | 21.259 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.875  | 67   | 274448   | 21.916 | ng/u1  | -0.02    |
| 11) 2-Chlorophenol-d4         | 7.075  | 132  | 304470   | 20.784 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.240  | 113  | 320859   | 20.029 | ng/u1  | -0.02    |
| 21) Nitrobenzene-d5           | 8.669  | 128  | 145960   | 19.915 | ng/u1  | -0.02    |
| 24) 2-Nitrophenol-d4          | 9.375  | 143  | 170727   | 20.212 | ng/u1  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 9.928  | 165  | 340523   | 19.101 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.422 | 131  | 409097   | 20.484 | ng/u1  | -0.02    |
| 46) Dimethylphthalate-d6      | 13.551 | 166  | 999897   | 18.498 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.828 | 160  | 1117580  | 19.602 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.422 | 143  | 111567   | 16.843 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.151 | 176  | 835078   | 17.564 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.310 | 200  | 171004   | 19.023 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.051 | 188  | 1351392  | 19.908 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.433 | 212  | 1682108  | 20.243 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 24.333 | 264  | 1689687  | 19.035 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.128  | 88   | 53582    | 7.048  | ng/uL  | 95       |
| 5) Pyridine                   | 3.522  | 79   | 359477   | 19.917 | ng/u1  | 94       |
| 6) Benzaldehyde               | 6.699  | 77   | 282045   | 24.856 | ng/u1  | 99       |
| 8) Phenol                     | 6.769  | 94   | 448542   | 21.707 | ng/u1# | 84       |
| 10) Bis(2-Chloroethyl)ether   | 6.969  | 93   | 357008   | 21.887 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.105  | 128  | 312419   | 20.343 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 7.981  | 108  | 319636   | 20.858 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.034  | 45   | 450730   | 22.723 | ng/u1  | 98       |
| 16) Acetophenone              | 8.340  | 105  | 534449   | 19.822 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.316  | 70   | 295056   | 20.083 | ng/u1  | 93       |
| 18) 4-Methylphenol            | 8.310  | 108  | 345440   | 20.884 | ng/u1  | 96       |
| 19) Hexachloroethane          | 8.569  | 117  | 143936   | 19.249 | ng/u1  | 87       |
| 22) Nitrobenzene              | 8.710  | 77   | 431534   | 19.350 | ng/u1  | 100      |
| 23) Isophorone                | 9.222  | 82   | 814977   | 20.632 | ng/u1# | 98       |
| 25) 2-Nitrophenol             | 9.410  | 139  | 180709   | 20.028 | ng/u1# | 84       |
| 26) 2,4-Dimethylphenol        | 9.481  | 107  | 385527   | 19.296 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.699  | 93   | 487210   | 21.831 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 9.952  | 162  | 334074   | 18.908 | ng/u1  | 98       |
| 30) Naphthalene               | 10.322 | 128  | 981648   | 19.105 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.446 | 127  | 399577   | 20.633 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.587 | 225  | 248406   | 15.849 | ng/u1  | 95       |
| 34) Caprolactam               | 11.234 | 113  | 110131m  | 21.362 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.593 | 107  | 373025   | 19.443 | ng/u1  | 93       |
| 36) 2-Methylnaphthalene       | 11.934 | 142  | 714520   | 18.753 | ng/u1  | 96       |

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 BNA\_P  
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 SSTD020758

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Reviewed By :Yogesh Patel 12/21/2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.146 | 142  | 720978   | 18.569 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.310 | 216  | 452797   | 17.820 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.269 | 237  | 247437   | 20.268 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.563 | 196  | 292508   | 19.453 | ng/ul  | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.657 | 196  | 300834   | 18.725 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 12.951 | 154  | 946006   | 19.175 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 12.998 | 162  | 754701   | 18.912 | ng/ul  | 95       |
| 45) 2-Nitroaniline            | 13.228 | 65   | 238461   | 20.625 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.598 | 163  | 983948   | 18.479 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 13.734 | 165  | 203140   | 19.911 | ng/ul  | 91       |
| 50) Acenaphthylene            | 13.863 | 152  | 1134719  | 19.543 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.081 | 138  | 188952   | 22.098 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.204 | 153  | 802720   | 18.915 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.310 | 184  | 112401   | 17.085 | ng/ul  | 90       |
| 55) 4-Nitrophenol             | 14.440 | 109  | 149197   | 16.719 | ng/ul# | 69       |
| 56) Dibenzofuran              | 14.545 | 168  | 1218977  | 18.914 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.551 | 165  | 309052   | 18.798 | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.792 | 232  | 256995   | 16.113 | ng/ul  | 98       |
| 59) Diethylphthalate          | 14.981 | 149  | 963414   | 18.142 | ng/ul  | 98       |
| 61) Fluorene                  | 15.210 | 166  | 928636   | 17.696 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.210 | 204  | 488686   | 16.056 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.263 | 138  | 172495   | 22.936 | ng/ul# | 81       |
| 66) 4,6-Dinitro-2-methylph... | 15.328 | 198  | 185695   | 19.473 | ng/ul  | 95       |
| 67) N-Nitrosodiphenylamine    | 15.428 | 169  | 814343   | 21.439 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.116 | 248  | 321962   | 18.336 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.245 | 284  | 363055   | 16.877 | ng/ul  | 98       |
| 70) Atrazine                  | 16.410 | 200  | 334188   | 20.220 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.616 | 266  | 210737   | 16.784 | ng/ul  | 96       |
| 72) Phenanthrene              | 16.992 | 178  | 1571839  | 20.441 | ng/ul  | 99       |
| 74) Anthracene                | 17.086 | 178  | 1565404  | 20.359 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 12.916 | 216  | 442320   | 20.630 | ng/uL  | 100      |
| 76) Pentachlorobenzene        | 14.469 | 250  | 447260   | 18.926 | ng/uL  | 99       |
| 77) Carbazole                 | 17.381 | 167  | 1418522  | 22.645 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 17.951 | 149  | 1718282  | 22.324 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.092 | 202  | 1977591  | 20.769 | ng/ul# | 92       |
| 82) Pyrene                    | 19.475 | 202  | 2118344  | 20.965 | ng/ul# | 92       |
| 83) Butylbenzylphthalate      | 20.422 | 149  | 806877   | 23.057 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.286 | 252  | 716413   | 19.630 | ng/ul# | 99       |
| 85) Benzo(a)anthracene        | 21.357 | 228  | 2058084  | 19.296 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.280 | 149  | 1161987  | 23.122 | ng/ul  | 100      |
| 87) Chrysene                  | 21.422 | 228  | 1942947  | 19.009 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.486 | 149  | 1976807  | 24.409 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.551 | 252  | 2079057  | 19.955 | ng/ul# | 97       |
| 91) Benzo(k)fluoranthene      | 23.616 | 252  | 1937862  | 18.694 | ng/ul# | 98       |
| 93) Benzo(a)pyrene            | 24.398 | 252  | 1853859  | 19.625 | ng/ul# | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.121 | 276  | 2283026  | 18.807 | ng/ul# | 94       |
| 95) Dibenzo(a,h)anthracene    | 28.180 | 278  | 1796185  | 18.489 | ng/ul# | 97       |
| 96) Benzo(g,h,i)perylene      | 29.251 | 276  | 1764651  | 18.986 | ng/ul# | 95       |

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

