

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111324\  
 Data File : BP023164.D  
 Acq On : 16 Nov 2024 08:28  
 Operator : RC/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020722

Quant Time: Nov 17 00:59:29 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP110924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 13 04:49:01 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/18/2024  
 Supervised By :mohammad ahmed 11/18/2024

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 ahmed

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |            |
|-------------------------------|--------|------|----------|--------|-------|----------|------------|
| -----                         |        |      |          |        |       |          | 11/18/2024 |
| Internal Standards            |        |      |          |        |       |          |            |
| 1) 1,4-Dichlorobenzene-d4     | 7.575  | 152  | 79320    | 20.000 | ng/u1 | 0.00     |            |
| 20) Naphthalene-d8            | 10.322 | 136  | 300622   | 20.000 | ng/u1 | 0.00     |            |
| 38) Acenaphthene-d10          | 14.187 | 164  | 244277   | 20.000 | ng/u1 | -0.02    |            |
| 64) Phenanthrene-d10          | 16.998 | 188  | 627164   | 20.000 | ng/u1 | -0.02    |            |
| 79) Chrysene-d12              | 21.439 | 240  | 680826   | 20.000 | ng/u1 | 0.00     |            |
| 88) Perylene-d12              | 24.651 | 264  | 770497   | 20.000 | ng/u1 | 0.00     |            |
| System Monitoring Compounds   |        |      |          |        |       |          |            |
| 3) 1,4-Dioxane-d8             | 3.134  | 96   | 13302    | 8.061  | ng/uL | 0.00     |            |
| 4) Pyridine-d5                | 3.546  | 84   | 99671    | 20.330 | ng/u1 | 0.00     |            |
| 7) Phenol-d5                  | 6.781  | 99   | 116335   | 19.838 | ng/u1 | 0.00     |            |
| 9) Bis-(2-Chloroethyl)eth...  | 6.928  | 67   | 69395    | 20.141 | ng/u1 | 0.00     |            |
| 11) 2-Chlorophenol-d4         | 7.128  | 132  | 89472    | 20.832 | ng/u1 | 0.00     |            |
| 15) 4-Methylphenol-d8         | 8.293  | 113  | 97319    | 20.166 | ng/u1 | 0.00     |            |
| 21) Nitrobenzene-d5           | 8.722  | 128  | 45130    | 21.564 | ng/u1 | 0.00     |            |
| 24) 2-Nitrophenol-d4          | 9.428  | 143  | 54139    | 21.699 | ng/u1 | 0.00     |            |
| 28) 2,4-Dichlorophenol-d3     | 9.969  | 165  | 110389   | 21.127 | ng/u1 | 0.00     |            |
| 31) 4-Chloroaniline-d4        | 10.475 | 131  | 130370   | 20.914 | ng/u1 | 0.00     |            |
| 46) Dimethylphthalate-d6      | 13.604 | 166  | 365169   | 20.741 | ng/u1 | 0.00     |            |
| 49) Acenaphthylene-d8         | 13.881 | 160  | 394294   | 21.464 | ng/u1 | -0.02    |            |
| 54) 4-Nitrophenol-d4          | 14.457 | 143  | 43351    | 16.385 | ng/u1 | 0.00     |            |
| 60) Fluorene-d10              | 15.204 | 176  | 330035   | 21.381 | ng/u1 | 0.00     |            |
| 65) 4,6-Dinitro-2-methylph... | 15.357 | 200  | 68180    | 18.147 | ng/u1 | 0.00     |            |
| 73) Anthracene-d10            | 17.092 | 188  | 567225   | 21.361 | ng/u1 | -0.02    |            |
| 81) Pyrene-d10                | 19.492 | 212  | 711130   | 22.677 | ng/u1 | 0.00     |            |
| 92) Benzo(a)pyrene-d12        | 24.421 | 264  | 813189   | 22.157 | ng/u1 | -0.02    |            |
| Target Compounds              |        |      |          |        |       |          | Qvalue     |
| 2) 1,4-Dioxane                | 3.170  | 88   | 15270    | 8.008  | ng/uL |          | 88         |
| 5) Pyridine                   | 3.564  | 79   | 98795    | 20.065 | ng/u1 |          | 95         |
| 6) Benzaldehyde               | 6.746  | 77   | 80721    | 23.919 | ng/u1 |          | 94         |
| 8) Phenol                     | 6.811  | 94   | 120970   | 19.754 | ng/u1 |          | 99         |
| 10) Bis(2-Chloroethyl)ether   | 7.016  | 93   | 92889    | 20.185 | ng/u1 |          | 96         |
| 12) 2-Chlorophenol            | 7.158  | 128  | 91011    | 20.410 | ng/u1 |          | 99         |
| 13) 2-Methylphenol            | 8.028  | 108  | 91558    | 20.029 | ng/u1 |          | 98         |
| 14) 2,2'-oxybis(1-Chloropr... | 8.081  | 45   | 105926   | 20.334 | ng/u1 |          | 96         |
| 16) Acetophenone              | 8.393  | 105  | 160570   | 19.801 | ng/u1 |          | 98         |
| 17) N-Nitroso-di-n-propyla... | 8.369  | 70   | 81202    | 20.054 | ng/u1 |          | 98         |
| 18) 4-Methylphenol            | 8.358  | 108  | 101388   | 20.081 | ng/u1 |          | 99         |
| 19) Hexachloroethane          | 8.622  | 117  | 42477    | 19.697 | ng/u1 |          | 97         |
| 22) Nitrobenzene              | 8.763  | 77   | 127788   | 21.280 | ng/u1 |          | 96         |
| 23) Isophorone                | 9.281  | 82   | 227315   | 21.170 | ng/u1 |          | 99         |
| 25) 2-Nitrophenol             | 9.463  | 139  | 57283    | 21.752 | ng/u1 |          | 93         |
| 26) 2,4-Dimethylphenol        | 9.528  | 107  | 121588   | 21.381 | ng/u1 |          | 99         |
| 27) Bis(2-Chloroethoxy)met... | 9.752  | 93   | 127765   | 21.625 | ng/u1 |          | 98         |
| 29) 2,4-Dichlorophenol        | 9.999  | 162  | 110328   | 21.317 | ng/u1 |          | 97         |
| 30) Naphthalene               | 10.369 | 128  | 312431   | 21.392 | ng/u1 |          | 99         |
| 32) 4-Chloroaniline           | 10.499 | 127  | 125229   | 20.736 | ng/u1 |          | 100        |
| 33) Hexachlorobutadiene       | 10.646 | 225  | 92772    | 19.810 | ng/u1 |          | 97         |
| 34) Caprolactam               | 11.287 | 113  | 31932m   | 20.743 | ng/u1 |          |            |
| 35) 4-Chloro-3-methylphenol   | 11.640 | 107  | 119688   | 21.497 | ng/u1 |          | 96         |
| 36) 2-Methylnaphthalene       | 11.981 | 142  | 230974   | 20.948 | ng/u1 |          | 98         |

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BNA\_P

## ClientSampleId :

SSTD020722

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 11/18/2024

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.210 | 142  | 238113   | 21.125 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.357 | 216  | 175057   | 21.227 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.328 | 237  | 76293    | 17.613 | ng/ul# | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.622 | 196  | 108387   | 21.584 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 12.710 | 196  | 121534   | 22.449 | ng/ul  | 95       |
| 43) 1,1'-Biphenyl             | 13.010 | 154  | 336279   | 21.484 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.051 | 162  | 280653   | 21.934 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.287 | 65   | 80277    | 22.344 | ng/ul  | 91       |
| 47) Dimethylphthalate         | 13.657 | 163  | 364884   | 21.015 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.781 | 165  | 73980    | 21.904 | ng/ul  | 98       |
| 50) Acenaphthylene            | 13.910 | 152  | 408525   | 22.000 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.122 | 138  | 67528    | 23.214 | ng/ul  | 93       |
| 52) Acenaphthene              | 14.251 | 153  | 289568   | 21.479 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.369 | 184  | 38445    | 16.042 | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 14.469 | 109  | 62830    | 20.297 | ng/ul  | 93       |
| 56) Dibenzofuran              | 14.598 | 168  | 442895   | 21.263 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.592 | 165  | 116746   | 21.688 | ng/ul# | 86       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.840 | 232  | 113952   | 21.534 | ng/ul# | 97       |
| 59) Diethylphthalate          | 15.040 | 149  | 354309   | 20.633 | ng/ul  | 99       |
| 61) Fluorene                  | 15.251 | 166  | 355728   | 20.866 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.245 | 204  | 207824   | 20.703 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.310 | 138  | 64504    | 23.830 | ng/ul  | 87       |
| 66) 4,6-Dinitro-2-methylph... | 15.369 | 198  | 75133    | 18.721 | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 15.481 | 169  | 313092   | 21.604 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.175 | 248  | 152004   | 21.403 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.287 | 284  | 184909   | 20.682 | ng/ul  | 98       |
| 70) Atrazine                  | 16.463 | 200  | 145207   | 20.728 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.651 | 266  | 104532   | 18.832 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.039 | 178  | 630536   | 21.294 | ng/ul  | 98       |
| 74) Anthracene                | 17.128 | 178  | 624685   | 20.983 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 12.981 | 216  | 179455   | 21.672 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.516 | 250  | 204482   | 21.627 | ng/ul  | 98       |
| 77) Carbazole                 | 17.422 | 167  | 550940   | 21.211 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.004 | 149  | 595927   | 20.675 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.139 | 202  | 824588   | 22.824 | ng/ul  | 99       |
| 82) Pyrene                    | 19.522 | 202  | 866102   | 22.316 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.469 | 149  | 281414   | 22.023 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.345 | 252  | 321533   | 21.039 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.422 | 228  | 893009   | 21.481 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.345 | 149  | 397407   | 21.885 | ng/ul  | 98       |
| 87) Chrysene                  | 21.486 | 228  | 839661   | 21.465 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.563 | 149  | 657098   | 21.021 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.627 | 252  | 959638   | 22.377 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.698 | 252  | 926627   | 21.949 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.492 | 252  | 856627   | 22.096 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.292 | 276  | 1130795  | 20.936 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.345 | 278  | 899980m  | 20.521 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.433 | 276  | 853300m  | 20.799 | ng/ul  |          |

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

