

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121824\  
 Data File : BP023536.D  
 Acq On : 19 Dec 2024 20:42  
 Operator : RC/JU  
 Sample : PB165707BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS707

Quant Time: Dec 20 00:37:49 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     | 7.522  | 152  | 267365   | 20.000 | ng/u1  | -0.02    |
| 20) Naphthalene-d8            | 10.263 | 136  | 1038598  | 20.000 | ng/u1  | #-0.02   |
| 38) Acenaphthene-d10          | 14.128 | 164  | 713302   | 20.000 | ng/u1  | -0.02    |
| 64) Phenanthrene-d10          | 16.939 | 188  | 1543463  | 20.000 | ng/u1  | #-0.02   |
| 79) Chrysene-d12              | 21.369 | 240  | 1600931  | 20.000 | ng/u1  | #-0.02   |
| 88) Perylene-d12              | 24.533 | 264  | 1693098  | 20.000 | ng/u1  | -0.04    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.093  | 96   | 37973    | 5.229  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.505  | 84   | 548056   | 29.348 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 6.734  | 99   | 725193   | 34.569 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 6.875  | 67   | 455657   | 34.427 | ng/u1  | -0.02    |
| 11) 2-Chlorophenol-d4         | 7.075  | 132  | 505115   | 32.624 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.234  | 113  | 553511   | 32.692 | ng/u1  | -0.02    |
| 21) Nitrobenzene-d5           | 8.663  | 128  | 252491   | 32.556 | ng/u1  | -0.02    |
| 24) 2-Nitrophenol-d4          | 9.375  | 143  | 299811   | 33.542 | ng/u1  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 9.916  | 165  | 586475   | 31.088 | ng/u1  | -0.02    |
| 31) 4-Chloroaniline-d4        | 10.422 | 131  | 624650   | 29.557 | ng/u1  | -0.02    |
| 46) Dimethylphthalate-d6      | 13.551 | 166  | 1664135  | 30.053 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.822 | 160  | 1851083  | 31.693 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.404 | 143  | 239217   | 35.253 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.145 | 176  | 1426842  | 29.295 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.310 | 200  | 292220   | 31.327 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.045 | 188  | 2239602  | 31.794 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.422 | 212  | 2791357  | 33.373 | ng/u1  | -0.02    |
| 92) Benzo(a)pyrene-d12        | 24.315 | 264  | 2786588  | 30.745 | ng/u1  | -0.03    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.128  | 88   | 75063    | 9.342  | ng/uL  | 98       |
| 5) Pyridine                   | 3.522  | 79   | 536178   | 28.108 | ng/u1  | 92       |
| 6) Benzaldehyde               | 6.699  | 77   | 298048   | 24.852 | ng/u1  | 99       |
| 8) Phenol                     | 6.763  | 94   | 744444   | 34.087 | ng/u1# | 83       |
| 10) Bis(2-Chloroethyl)ether   | 6.969  | 93   | 581721   | 33.744 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.105  | 128  | 513755   | 31.652 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 7.981  | 108  | 531071   | 32.789 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.034  | 45   | 712527   | 33.987 | ng/u1  | 99       |
| 16) Acetophenone              | 8.334  | 105  | 872639   | 30.622 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.316  | 70   | 482484   | 31.073 | ng/u1  | 93       |
| 18) 4-Methylphenol            | 8.299  | 108  | 578570   | 33.096 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.563  | 117  | 229985   | 29.101 | ng/u1  | 89       |
| 22) Nitrobenzene              | 8.710  | 77   | 709906   | 30.082 | ng/u1  | 96       |
| 23) Isophorone                | 9.222  | 82   | 1353270  | 32.376 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.405  | 139  | 306323   | 32.083 | ng/u1# | 84       |
| 26) 2,4-Dimethylphenol        | 9.481  | 107  | 512106   | 24.222 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 9.693  | 93   | 797875   | 33.786 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 9.940  | 162  | 550149   | 29.425 | ng/u1  | 99       |
| 30) Naphthalene               | 10.316 | 128  | 1599033  | 29.409 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.446 | 127  | 507687   | 24.774 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.581 | 225  | 394681   | 23.797 | ng/u1  | 99       |
| 34) Caprolactam               | 11.234 | 113  | 184471   | 33.814 | ng/u1  | 94       |
| 35) 4-Chloro-3-methylphenol   | 11.593 | 107  | 581900   | 28.663 | ng/u1  | 92       |
| 36) 2-Methylnaphthalene       | 11.928 | 142  | 1080285  | 26.793 | ng/u1  | 97       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.151 | 142  | 1072578  | 26.105 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.304 | 216  | 699857   | 26.887 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.269 | 237  | 217335   | 17.378 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.563 | 196  | 443827   | 28.812 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.651 | 196  | 483983   | 29.406 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 12.951 | 154  | 1477046  | 29.225 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 12.993 | 162  | 1220599  | 29.858 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.234 | 65   | 397076   | 33.525 | ng/ul  | 90       |
| 47) Dimethylphthalate         | 13.598 | 163  | 1609359  | 29.504 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 13.722 | 165  | 336460   | 32.192 | ng/ul  | 90       |
| 50) Acenaphthylene            | 13.857 | 152  | 1873369  | 31.496 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.069 | 138  | 313823   | 35.826 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.204 | 153  | 1267411  | 29.153 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.310 | 184  | 181341   | 26.906 | ng/ul  | 90       |
| 55) 4-Nitrophenol             | 14.422 | 109  | 256967   | 28.109 | ng/ul# | 71       |
| 56) Dibenzofuran              | 14.545 | 168  | 1887424  | 28.587 | ng/ul  | 95       |
| 57) 2,4-Dinitrotoluene        | 14.545 | 165  | 507921   | 30.158 | ng/ul  | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.781 | 232  | 389703   | 23.851 | ng/ul  | 98       |
| 59) Diethylphthalate          | 14.981 | 149  | 1615932  | 29.705 | ng/ul  | 99       |
| 61) Fluorene                  | 15.204 | 166  | 1541787  | 28.679 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.198 | 204  | 812906   | 26.071 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.263 | 138  | 315620   | 40.965 | ng/ul# | 82       |
| 66) 4,6-Dinitro-2-methylph... | 15.322 | 198  | 303497   | 30.670 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 15.422 | 169  | 1310987  | 33.261 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.110 | 248  | 526286   | 28.884 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.228 | 284  | 592244   | 26.532 | ng/ul  | 97       |
| 70) Atrazine                  | 16.404 | 200  | 208489   | 12.156 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.598 | 266  | 316247   | 24.273 | ng/ul  | 93       |
| 72) Phenanthrene              | 16.981 | 178  | 2581663  | 32.354 | ng/ul  | 100      |
| 74) Anthracene                | 17.081 | 178  | 2494792  | 31.268 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 12.922 | 216  | 705801   | 31.724 | ng/ul  | 97       |
| 76) Pentachlorobenzene        | 14.457 | 250  | 683789   | 27.884 | ng/ul  | 99       |
| 77) Carbazole                 | 17.375 | 167  | 2280841  | 35.088 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 17.933 | 149  | 2789745  | 34.928 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.075 | 202  | 3220357  | 33.600 | ng/ul# | 93       |
| 82) Pyrene                    | 19.451 | 202  | 3334429  | 32.786 | ng/ul# | 92       |
| 83) Butylbenzylphthalate      | 20.410 | 149  | 1312946  | 37.274 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.274 | 252  | 1055587  | 28.735 | ng/ul# | 99       |
| 85) Benzo(a)anthracene        | 21.345 | 228  | 3300148  | 30.741 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.269 | 149  | 1877144  | 37.109 | ng/ul  | 99       |
| 87) Chrysene                  | 21.416 | 228  | 3057856  | 29.723 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.474 | 149  | 3181828  | 38.479 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.533 | 252  | 3224512  | 30.313 | ng/ul# | 98       |
| 91) Benzo(k)fluoranthene      | 23.604 | 252  | 3246031  | 30.669 | ng/ul# | 99       |
| 93) Benzo(a)pyrene            | 24.380 | 252  | 2903986  | 30.109 | ng/ul# | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.121 | 276  | 3730166  | 30.095 | ng/ul# | 95       |
| 95) Dibenzo(a,h)anthracene    | 28.162 | 278  | 2997308  | 30.217 | ng/ul# | 97       |
| 96) Benzo(g,h,i)perylene      | 29.203 | 276  | 2917304m | 30.741 | ng/ul  |          |

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

