

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP043024\  
 Data File : BP020130.D  
 Acq On : 30 Apr 2024 22:32  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020702

Quant Time: May 01 02:12:53 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP042424.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 01 00:58:38 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh  
 Patel  
 05/03/2024

Supervised By :mohammad  
 ahmed  
 05/03/2024

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 7.634  | 152  | 127258   | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8        | 10.404 | 136  | 559836   | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10      | 14.316 | 164  | 391142   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10      | 17.157 | 188  | 783036   | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12          | 21.645 | 240  | 583739   | 20.000 | ng/u1 | -0.02    |
| 88) Perylene-d12          | 25.039 | 264  | 648047   | 20.000 | ng/u1 | -0.01    |

|                               |        |     |        |        |       |       |
|-------------------------------|--------|-----|--------|--------|-------|-------|
| System Monitoring Compounds   |        |     |        |        |       |       |
| 3) 1,4-Dioxane-d8             | 3.222  | 96  | 20720  | 6.799  | ng/uL | 0.00  |
| 4) Pyridine-d5                | 3.622  | 84  | 147723 | 16.455 | ng/u1 | 0.00  |
| 7) Phenol-d5                  | 6.816  | 99  | 190953 | 17.695 | ng/u1 | 0.00  |
| 9) Bis-(2-Chloroethyl)eth...  | 6.987  | 67  | 129280 | 18.597 | ng/u1 | 0.00  |
| 11) 2-Chlorophenol-d4         | 7.169  | 132 | 137705 | 18.176 | ng/u1 | 0.00  |
| 15) 4-Methylphenol-d8         | 8.340  | 113 | 155316 | 18.905 | ng/u1 | 0.00  |
| 21) Nitrobenzene-d5           | 8.793  | 128 | 70698  | 16.444 | ng/u1 | 0.00  |
| 24) 2-Nitrophenol-d4          | 9.504  | 143 | 83280  | 17.455 | ng/u1 | 0.00  |
| 28) 2,4-Dichlorophenol-d3     | 10.040 | 165 | 157533 | 17.545 | ng/u1 | 0.00  |
| 31) 4-Chloroaniline-d4        | 10.563 | 131 | 201551 | 17.213 | ng/u1 | 0.00  |
| 46) Dimethylphthalate-d6      | 13.722 | 166 | 462711 | 16.563 | ng/u1 | 0.00  |
| 49) Acenaphthylene-d8         | 13.998 | 160 | 542549 | 17.039 | ng/u1 | 0.00  |
| 54) 4-Nitrophenol-d4          | 14.563 | 143 | 65242  | 14.367 | ng/u1 | 0.00  |
| 60) Fluorene-d10              | 15.334 | 176 | 392692 | 16.160 | ng/u1 | -0.01 |
| 65) 4,6-Dinitro-2-methylph... | 15.492 | 200 | 77654  | 15.510 | ng/u1 | 0.00  |
| 73) Anthracene-d10            | 17.257 | 188 | 585249 | 16.834 | ng/u1 | 0.00  |
| 81) Pyrene-d10                | 19.657 | 212 | 610062 | 19.644 | ng/u1 | 0.00  |
| 92) Benzo(a)pyrene-d12        | 24.792 | 264 | 531683 | 16.815 | ng/u1 | -0.02 |

| Target Compounds              |        |     |        |        | Qvalue    |
|-------------------------------|--------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                | 3.252  | 88  | 23425  | 6.838  | ng/uL# 93 |
| 5) Pyridine                   | 3.640  | 79  | 154622 | 16.795 | ng/u1 99  |
| 6) Benzaldehyde               | 6.805  | 77  | 137071 | 22.179 | ng/u1 97  |
| 8) Phenol                     | 6.840  | 94  | 200047 | 17.843 | ng/u1 99  |
| 10) Bis(2-Chloroethyl)ether   | 7.081  | 93  | 163903 | 18.540 | ng/u1 99  |
| 12) 2-Chlorophenol            | 7.199  | 128 | 143100 | 17.998 | ng/u1 100 |
| 13) 2-Methylphenol            | 8.075  | 108 | 152672 | 18.842 | ng/u1 93  |
| 14) 2,2'-oxybis(1-Chloropr... | 8.152  | 45  | 234671 | 19.265 | ng/u1 99  |
| 16) Acetophenone              | 8.463  | 105 | 259734 | 19.038 | ng/u1 98  |
| 17) N-Nitroso-di-n-propyla... | 8.440  | 70  | 155857 | 20.875 | ng/u1# 97 |
| 18) 4-Methylphenol            | 8.405  | 108 | 162089 | 18.899 | ng/u1 96  |
| 19) Hexachloroethane          | 8.681  | 117 | 69323  | 18.043 | ng/u1 98  |
| 22) Nitrobenzene              | 8.834  | 77  | 223528 | 17.369 | ng/u1 99  |
| 23) Isophorone                | 9.357  | 82  | 422121 | 18.430 | ng/u1 99  |
| 25) 2-Nitrophenol             | 9.534  | 139 | 87419  | 17.348 | ng/u1 97  |
| 26) 2,4-Dimethylphenol        | 9.593  | 107 | 188510 | 17.809 | ng/u1 99  |
| 27) Bis(2-Chloroethoxy)met... | 9.834  | 93  | 233714 | 17.898 | ng/u1 99  |
| 29) 2,4-Dichlorophenol        | 10.069 | 162 | 153499 | 17.365 | ng/u1 98  |
| 30) Naphthalene               | 10.457 | 128 | 491610 | 16.985 | ng/u1 99  |
| 32) 4-Chloroaniline           | 10.587 | 127 | 201654 | 17.415 | ng/u1 96  |
| 33) Hexachlorobutadiene       | 10.722 | 225 | 124594 | 16.878 | ng/u1 96  |
| 34) Caprolactam               | 11.404 | 113 | 46622  | 15.649 | ng/u1 98  |
| 35) 4-Chloro-3-methylphenol   | 11.722 | 107 | 182268 | 17.809 | ng/u1 100 |
| 36) 2-Methylnaphthalene       | 12.087 | 142 | 345124 | 17.806 | ng/u1 99  |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.310 | 142  | 351271   | 18.035 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.463 | 216  | 217620   | 16.420 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.416 | 237  | 112726   | 16.095 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.716 | 196  | 134533   | 16.747 | ng/ul  | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.804 | 196  | 141254   | 16.370 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.128 | 154  | 466652   | 16.979 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.163 | 162  | 377983   | 16.988 | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.398 | 65   | 128045   | 16.478 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.775 | 163  | 470302   | 16.495 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.916 | 165  | 95327    | 16.442 | ng/ul  | 100      |
| 50) Acenaphthylene            | 14.028 | 152  | 602315   | 16.918 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.251 | 138  | 90243    | 16.598 | ng/ul  | 92       |
| 52) Acenaphthene              | 14.375 | 153  | 392526   | 16.821 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.481 | 184  | 48652    | 13.219 | ng/ul# | 90       |
| 55) 4-Nitrophenol             | 14.581 | 109  | 65170    | 13.565 | ng/ul  | 99       |
| 56) Dibenzofuran              | 14.722 | 168  | 552468   | 16.719 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.722 | 165  | 131057   | 15.426 | ng/ul  | 89       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.963 | 232  | 126280   | 15.896 | ng/ul# | 98       |
| 59) Diethylphthalate          | 15.175 | 149  | 460130   | 16.004 | ng/ul  | 98       |
| 61) Fluorene                  | 15.392 | 166  | 448554   | 16.347 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.392 | 204  | 244753   | 16.324 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.451 | 138  | 75121    | 15.438 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.504 | 198  | 80534    | 15.215 | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 15.622 | 169  | 372829   | 18.308 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.316 | 248  | 153335   | 18.159 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.422 | 284  | 167685   | 19.612 | ng/ul  | 98       |
| 70) Atrazine                  | 16.622 | 200  | 131947   | 16.044 | ng/ul  | 100      |
| 71) Pentachlorophenol         | 16.792 | 266  | 93806    | 15.363 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.198 | 178  | 675346   | 16.868 | ng/ul  | 99       |
| 74) Anthracene                | 17.286 | 178  | 682050   | 16.513 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.081 | 216  | 220022   | 19.121 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.634 | 250  | 209455   | 18.627 | ng/uL  | 98       |
| 77) Carbazole                 | 17.586 | 167  | 559136   | 15.255 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.180 | 149  | 670281   | 14.930 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.310 | 202  | 729527   | 20.272 | ng/ul  | 100      |
| 82) Pyrene                    | 19.686 | 202  | 742225   | 19.653 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.657 | 149  | 258479   | 16.967 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.557 | 252  | 229041   | 16.775 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.627 | 228  | 697162   | 17.205 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.580 | 149  | 357585   | 16.046 | ng/ul  | 97       |
| 87) Chrysene                  | 21.698 | 228  | 638940   | 16.991 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.874 | 149  | 598104   | 15.434 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.951 | 252  | 650680   | 16.940 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.027 | 252  | 649105   | 16.711 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 24.862 | 252  | 622196   | 16.890 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.862 | 276  | 798821m  | 17.987 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.956 | 278  | 650297   | 17.739 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 30.050 | 276  | 637897m  | 17.863 | ng/ul  |          |

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

