

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100423\  
 Data File : BP017533.D  
 Acq On : 04 Oct 2023 15:21  
 Operator : MA/JU  
 Sample : SSTD08064  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD080628

Quant Time: Oct 04 16:08:49 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100423.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 04 15:35:13 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh  
 Patel

10/05/2023  
 Supervised By :mohammad  
 ahmed

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 7.945  | 152  | 113266   | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8        | 10.781 | 136  | 470279   | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10      | 14.639 | 164  | 293477   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10      | 17.427 | 188  | 652868   | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12          | 21.562 | 240  | 633480   | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12          | 24.150 | 264  | 674140   | 20.000 | ng/u1 | 0.00     |

10/07/2023

|                               |        |     |         |        |       |      |
|-------------------------------|--------|-----|---------|--------|-------|------|
| System Monitoring Compounds   |        |     |         |        |       |      |
| 3) 1,4-Dioxane-d8             | 3.293  | 96  | 85491   | 29.752 | ng/uL | 0.00 |
| 4) Pyridine-d5                | 3.728  | 84  | 609666  | 80.107 | ng/u1 | 0.00 |
| 7) Phenol-d5                  | 7.104  | 99  | 772860  | 81.477 | ng/u1 | 0.00 |
| 9) Bis-(2-Chloroethyl)eth...  | 7.293  | 67  | 457633  | 76.696 | ng/u1 | 0.00 |
| 11) 2-Chlorophenol-d4         | 7.469  | 132 | 608205  | 81.322 | ng/u1 | 0.00 |
| 15) 4-Methylphenol-d8         | 8.675  | 113 | 611250  | 79.495 | ng/u1 | 0.00 |
| 21) Nitrobenzene-d5           | 9.157  | 128 | 302225  | 84.467 | ng/u1 | 0.00 |
| 24) 2-Nitrophenol-d4          | 9.869  | 143 | 352026  | 87.991 | ng/u1 | 0.00 |
| 28) 2,4-Dichlorophenol-d3     | 10.404 | 165 | 629157  | 83.997 | ng/u1 | 0.00 |
| 31) 4-Chloroaniline-d4        | 10.957 | 131 | 851418  | 77.859 | ng/u1 | 0.00 |
| 46) Dimethylphthalate-d6      | 14.057 | 166 | 1819894 | 79.375 | ng/u1 | 0.00 |
| 49) Acenaphthylene-d8         | 14.339 | 160 | 2081251 | 83.085 | ng/u1 | 0.00 |
| 54) 4-Nitrophenol-d4          | 14.886 | 143 | 333470  | 87.050 | ng/u1 | 0.01 |
| 60) Fluorene-d10              | 15.645 | 176 | 1542019 | 79.271 | ng/u1 | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.786 | 200 | 349398  | 90.971 | ng/u1 | 0.00 |
| 73) Anthracene-d10            | 17.533 | 188 | 2441825 | 81.002 | ng/u1 | 0.00 |
| 81) Pyrene-d10                | 19.780 | 212 | 2893890 | 82.784 | ng/u1 | 0.00 |
| 92) Benzo(a)pyrene-d12        | 23.980 | 264 | 2855938 | 84.993 | ng/u1 | 0.00 |

| Target Compounds              |        |     |         |        |       | Qvalue |
|-------------------------------|--------|-----|---------|--------|-------|--------|
| 2) 1,4-Dioxane                | 3.328  | 88  | 88824   | 30.146 | ng/uL | 97     |
| 5) Pyridine                   | 3.746  | 79  | 627195  | 77.358 | ng/u1 | 93     |
| 6) Benzaldehyde               | 7.104  | 77  | 320270  | 57.110 | ng/u1 | 98     |
| 8) Phenol                     | 7.134  | 94  | 761086  | 79.214 | ng/u1 | 99     |
| 10) Bis(2-Chloroethyl)ether   | 7.387  | 93  | 607406  | 76.789 | ng/u1 | 99     |
| 12) 2-Chlorophenol            | 7.498  | 128 | 612217  | 80.768 | ng/u1 | 98     |
| 13) 2-Methylphenol            | 8.398  | 108 | 576570  | 80.615 | ng/u1 | 100    |
| 14) 2,2'-oxybis(1-Chloropr... | 8.463  | 45  | 792279m | 75.454 | ng/u1 |        |
| 16) Acetophenone              | 8.804  | 105 | 943072  | 76.543 | ng/u1 | 98     |
| 17) N-Nitroso-di-n-propyla... | 8.781  | 70  | 496643  | 80.561 | ng/u1 | 98     |
| 18) 4-Methylphenol            | 8.739  | 108 | 620208  | 79.521 | ng/u1 | 97     |
| 19) Hexachloroethane          | 9.010  | 117 | 270297  | 80.225 | ng/u1 | 99     |
| 22) Nitrobenzene              | 9.198  | 77  | 743069  | 79.811 | ng/u1 | 100    |
| 23) Isophorone                | 9.722  | 82  | 1379137 | 80.971 | ng/u1 | 99     |
| 25) 2-Nitrophenol             | 9.904  | 139 | 364713  | 85.359 | ng/u1 | 98     |
| 26) 2,4-Dimethylphenol        | 9.951  | 107 | 695298  | 81.243 | ng/u1 | 98     |
| 27) Bis(2-Chloroethoxy)met... | 10.204 | 93  | 820530  | 78.260 | ng/u1 | 100    |
| 29) 2,4-Dichlorophenol        | 10.434 | 162 | 601770  | 82.419 | ng/u1 | 98     |
| 30) Naphthalene               | 10.834 | 128 | 1957744 | 77.545 | ng/u1 | 99     |
| 32) 4-Chloroaniline           | 10.981 | 127 | 798982  | 75.749 | ng/u1 | 99     |
| 33) Hexachlorobutadiene       | 11.057 | 225 | 417550  | 77.855 | ng/u1 | 98     |
| 34) Caprolactam               | 11.828 | 113 | 177677m | 76.943 | ng/u1 |        |
| 35) 4-Chloro-3-methylphenol   | 12.092 | 107 | 635751  | 82.524 | ng/u1 | 98     |
| 36) 2-Methylnaphthalene       | 12.451 | 142 | 1364348 | 79.470 | ng/u1 | 100    |

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|-------------------------------|--------|------|----------|---------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.669 | 142  | 1387877  | 78.627  | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.798 | 216  | 779476   | 81.338  | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.745 | 237  | 483516   | 99.550  | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 13.063 | 196  | 517351   | 85.612  | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.139 | 196  | 547506   | 86.164  | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.469 | 154  | 1792948  | 79.760  | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.516 | 162  | 1428402  | 79.962  | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.763 | 65   | 431379   | 88.832  | ng/ul  | 95       |
| 47) Dimethylphthalate         | 14.104 | 163  | 1812969  | 78.499  | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.257 | 165  | 378817   | 90.721  | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.369 | 152  | 2353801  | 80.791  | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.598 | 138  | 315684   | 74.795  | ng/ul  | 95       |
| 52) Acenaphthene              | 14.704 | 153  | 1536328  | 79.664  | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.804 | 184  | 233850   | 107.891 | ng/ul  | 91       |
| 55) 4-Nitrophenol             | 14.898 | 109  | 293896   | 86.003  | ng/ul  | 99       |
| 56) Dibenzofuran              | 15.045 | 168  | 2124704  | 77.945  | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.045 | 165  | 556366   | 88.869  | ng/ul  | 91       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.263 | 232  | 477656   | 84.605  | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.469 | 149  | 1826956  | 78.955  | ng/ul  | 100      |
| 61) Fluorene                  | 15.698 | 166  | 1776469  | 79.147  | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.692 | 204  | 906156   | 78.725  | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.780 | 138  | 285808   | 70.006  | ng/ul  | 91       |
| 66) 4,6-Dinitro-2-methylph... | 15.804 | 198  | 362080   | 86.351  | ng/ul# | 98       |
| 67) N-Nitrosodiphenylamine    | 15.921 | 169  | 1471532  | 80.620  | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.598 | 248  | 564204   | 81.905  | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.680 | 284  | 651012   | 79.837  | ng/ul  | 96       |
| 70) Atrazine                  | 16.886 | 200  | 564464   | 79.341  | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.051 | 266  | 411697   | 86.004  | ng/ul  | 98       |
| 72) Phenanthrene              | 17.474 | 178  | 2777312  | 78.804  | ng/ul  | 100      |
| 74) Anthracene                | 17.568 | 178  | 2838396  | 79.070  | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.416 | 216  | 792220   | 82.628  | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.933 | 250  | 775915   | 81.246  | ng/ul  | 100      |
| 77) Carbazole                 | 17.857 | 167  | 2523010  | 76.901  | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.363 | 149  | 3171311  | 82.285  | ng/ul  | 100      |
| 80) Fluoranthene              | 19.451 | 202  | 3353517  | 82.237  | ng/ul  | 99       |
| 82) Pyrene                    | 19.810 | 202  | 3480154  | 80.544  | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.680 | 149  | 1465825  | 87.990  | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.486 | 252  | 1159650  | 80.421  | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.545 | 228  | 3568158  | 80.499  | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.421 | 149  | 2127619  | 88.776  | ng/ul  | 100      |
| 87) Chrysene                  | 21.604 | 228  | 3297975  | 79.374  | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.415 | 149  | 3632387  | 88.153  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.345 | 252  | 3506610  | 83.608  | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.403 | 252  | 3455881  | 82.397  | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 24.039 | 252  | 3298765  | 84.272  | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.915 | 276  | 4012576  | 83.740  | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.939 | 278  | 3366069  | 83.272  | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.768 | 276  | 3181951  | 82.532  | ng/ul  | 99       |

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

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