

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121823\  
 Data File : BP018930.D  
 Acq On : 19 Dec 2023 04:55  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020734

Quant Time: Dec 19 05:26:30 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 19 05:28:03 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.834  | 152  | 209911   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.628 | 136  | 765849   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.469 | 164  | 465429   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.216 | 188  | 1125341  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.316 | 240  | 1120369  | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.686 | 264  | 1351116  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.258  | 96   | 50238    | 8.156  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.681  | 84   | 335933   | 20.360 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.016  | 99   | 411693   | 19.544 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.169  | 67   | 230090   | 18.429 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.369  | 132  | 334973   | 20.379 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.557  | 113  | 313255   | 18.375 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.999  | 128  | 152970   | 22.442 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.716  | 143  | 165873   | 23.472 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.257 | 165  | 323413   | 22.381 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.775 | 131  | 394905   | 20.911 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.881 | 166  | 844705   | 20.335 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.163 | 160  | 1014133  | 22.171 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.686 | 143  | 157758   | 23.136 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.457 | 176  | 774926   | 22.224 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.592 | 200  | 58528    | 8.674  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.316 | 188  | 1310433  | 22.150 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.557 | 212  | 1613389  | 18.500 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.533 | 264  | 1669796  | 21.196 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.293  | 88   | 54064    | 8.004  | ng/uL  | 97       |
| 5) Pyridine                   | 3.699  | 79   | 342670   | 20.566 | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.975  | 77   | 229996   | 21.147 | ng/u1  | 95       |
| 8) Phenol                     | 7.040  | 94   | 406639   | 19.684 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.263  | 93   | 324299   | 19.115 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.399  | 128  | 335743   | 20.182 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.287  | 108  | 301841   | 19.085 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.357  | 45   | 358317   | 16.645 | ng/u1  | 97       |
| 16) Acetophenone              | 8.663  | 105  | 467012   | 18.381 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.646  | 70   | 217188   | 15.539 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.616  | 108  | 315773   | 18.285 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.904  | 117  | 137032   | 20.093 | ng/u1  | 89       |
| 22) Nitrobenzene              | 9.040  | 77   | 346559   | 20.912 | ng/u1  | 96       |
| 23) Isophorone                | 9.569  | 82   | 627139   | 18.560 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.746  | 139  | 172688   | 22.822 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.816  | 107  | 309263   | 20.898 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.051 | 93   | 395963   | 18.561 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.287 | 162  | 310261   | 22.291 | ng/u1  | 97       |
| 30) Naphthalene               | 10.681 | 128  | 998883   | 21.500 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.798 | 127  | 379660   | 21.093 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.957 | 225  | 239740   | 25.718 | ng/u1  | 96       |
| 34) Caprolactam               | 11.587 | 113  | 113360   | 26.561 | ng/u1  | 86       |
| 35) 4-Chloro-3-methylphenol   | 11.934 | 107  | 298219   | 19.126 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.292 | 142  | 660715   | 20.074 | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.510 | 142  | 664613   | 19.995 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.657 | 216  | 413242   | 24.472 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.634 | 237  | 108495   | 10.840 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.904 | 196  | 254386   | 23.418 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.981 | 196  | 274130   | 23.277 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.304 | 154  | 871908   | 21.661 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.345 | 162  | 715393   | 22.502 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.557 | 65   | 177642   | 20.611 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 13.928 | 163  | 830188   | 20.303 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.051 | 165  | 168852   | 21.857 | ng/ul  | 94       |
| 50) Acenaphthylene            | 14.187 | 152  | 1131564  | 22.003 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.381 | 138  | 185873   | 24.102 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.534 | 153  | 740195   | 21.768 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.592 | 184  | 36840    | 8.998  | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.704 | 109  | 122023   | 23.687 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.869 | 168  | 1045017  | 22.112 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.839 | 165  | 251913   | 23.182 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.098 | 232  | 246091   | 24.912 | ng/ul  | 93       |
| 59) Diethylphthalate          | 15.292 | 149  | 812288   | 20.301 | ng/ul  | 98       |
| 61) Fluorene                  | 15.516 | 166  | 859353   | 22.980 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.510 | 204  | 448460   | 22.866 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.545 | 138  | 199390   | 27.140 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.604 | 198  | 60455    | 8.380  | ng/ul# | 99       |
| 67) N-Nitrosodiphenylamine    | 15.728 | 169  | 708429   | 18.998 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.404 | 248  | 295515   | 20.801 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.522 | 284  | 367663   | 23.179 | ng/ul  | 95       |
| 70) Atrazine                  | 16.686 | 200  | 224997   | 20.295 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.869 | 266  | 227876   | 24.156 | ng/ul  | 100      |
| 72) Phenanthrene              | 17.263 | 178  | 1478821  | 21.758 | ng/ul  | 100      |
| 74) Anthracene                | 17.351 | 178  | 1503539  | 22.070 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.263 | 216  | 407215   | 20.928 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.786 | 250  | 403007   | 21.085 | ng/ul  | 99       |
| 77) Carbazole                 | 17.628 | 167  | 1335600  | 24.598 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.180 | 149  | 1489033  | 20.596 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.233 | 202  | 1885480  | 18.290 | ng/ul  | 95       |
| 82) Pyrene                    | 19.586 | 202  | 1945536  | 18.708 | ng/ul# | 93       |
| 83) Butylbenzylphthalate      | 20.463 | 149  | 735638   | 19.322 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.233 | 252  | 624347   | 22.932 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.298 | 228  | 1938688  | 21.319 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.221 | 149  | 1019287  | 19.478 | ng/ul# | 99       |
| 87) Chrysene                  | 21.351 | 228  | 1795871  | 21.445 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.133 | 149  | 1818511  | 18.434 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.957 | 252  | 2058016  | 20.659 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.010 | 252  | 1905278  | 19.767 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.580 | 252  | 1891315  | 20.778 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.156 | 276  | 2380094  | 21.885 | ng/ul  | 95       |
| 95) Dibenzo(a,h)anthracene    | 26.174 | 278  | 1981961  | 21.907 | ng/ul# | 95       |
| 96) Benzo(g,h,i)perylene      | 26.915 | 276  | 1912529  | 21.852 | ng/ul# | 95       |

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

