

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091521\  
 Data File : BP006977.D  
 Acq On : 15 Sep 2021 16:13  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020695

Manual Integrations  
 APPROVED

mohammad  
 9/16/2021 11:43:58 AM

Quant Time: Sep 15 16:59:00 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP090821.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 15 10:54:36 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.922  | 152  | 439164   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.722 | 136  | 1887004  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.551 | 164  | 1241733  | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.298 | 188  | 2521208  | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.380 | 240  | 2312597  | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 23.804 | 264  | 2126317  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.352  | 96   | 84077    | 7.619  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.769  | 84   | 552200   | 19.202 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.081  | 99   | 663453   | 20.555 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.252  | 67   | 388374   | 20.951 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.452  | 132  | 536296   | 20.581 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.628  | 113  | 530585   | 20.933 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.081  | 128  | 243561   | 21.309 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.804  | 143  | 255768   | 22.729 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.340 | 165  | 542543   | 20.448 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.857 | 131  | 746880   | 20.355 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.963 | 166  | 1600948  | 19.906 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.239 | 160  | 2033403  | 19.963 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.734 | 143  | 279084   | 19.975 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.539 | 176  | 1379775  | 19.439 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.657 | 200  | 229898   | 20.613 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.398 | 188  | 2084737  | 19.973 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.627 | 212  | 2265544  | 20.918 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.645 | 264  | 2028400  | 19.774 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.387  | 88   | 92396    | 7.524  | ng/uL  | 91       |
| 5) Pyridine                   | 3.787  | 79   | 554043   | 19.206 | ng/ul  | 87       |
| 6) Benzaldehyde               | 7.057  | 77   | 427987   | 20.809 | ng/ul  | 91       |
| 8) Phenol                     | 7.105  | 94   | 686461   | 20.574 | ng/ul  | 91       |
| 10) Bis(2-Chloroethyl)ether   | 7.346  | 93   | 552502   | 20.683 | ng/ul  | 99       |
| 12) 2-Chlorophenol            | 7.481  | 128  | 552526   | 20.668 | ng/ul  | 93       |
| 13) 2-Methylphenol            | 8.357  | 108  | 521467   | 20.580 | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.452  | 45   | 662606   | 21.475 | ng/ul  | 96       |
| 16) Acetophenone              | 8.746  | 105  | 846311   | 21.772 | ng/ul  | 91       |
| 17) N-Nitroso-di-n-propyla... | 8.734  | 70   | 407637   | 22.507 | ng/ul# | 96       |
| 18) 4-Methylphenol            | 8.687  | 108  | 572634   | 21.071 | ng/ul  | 99       |
| 19) Hexachloroethane          | 9.004  | 117  | 217240   | 19.956 | ng/ul# | 82       |
| 22) Nitrobenzene              | 9.122  | 77   | 587467m  | 21.240 | ng/ul  |          |
| 23) Isophorone                | 9.651  | 82   | 1158305  | 21.086 | ng/ul# | 94       |
| 25) 2-Nitrophenol             | 9.834  | 139  | 293772   | 23.357 | ng/ul# | 83       |
| 26) 2,4-Dimethylphenol        | 9.893  | 107  | 620819   | 20.374 | ng/ul  | 93       |
| 27) Bis(2-Chloroethoxy)met... | 10.134 | 93   | 756797   | 20.812 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.363 | 162  | 541495   | 20.607 | ng/ul  | 95       |
| 30) Naphthalene               | 10.775 | 128  | 1793720  | 19.596 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.881 | 127  | 767142   | 20.527 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 11.063 | 225  | 343706   | 18.961 | ng/ul  | 96       |
| 34) Caprolactam               | 11.651 | 113  | 149212m  | 19.051 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.998 | 107  | 552687   | 20.737 | ng/ul  | 90       |
| 36) 2-Methylnaphthalene       | 12.381 | 142  | 1241843  | 20.236 | ng/ul  | 98       |

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Quant Time: Sep 15 16:59:00 2021  
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 Quant Title : SVOA CALIBRATION  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.598 | 142  | 1257956  | 20.094 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.745 | 216  | 679246   | 19.103 | ng/ul# | 94       |
| 40) Hexachlorocyclopentadiene | 12.728 | 237  | 419042   | 18.260 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.981 | 196  | 429666   | 20.877 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.051 | 196  | 466007   | 20.312 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.387 | 154  | 1697022  | 19.628 | ng/ul# | 97       |
| 44) 2-Chloronaphthalene       | 13.428 | 162  | 1292779  | 19.394 | ng/ul  | 92       |
| 45) 2-Nitroaniline            | 13.628 | 65   | 310507   | 22.919 | ng/ul# | 80       |
| 47) Dimethylphthalate         | 14.004 | 163  | 1597868  | 19.700 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.122 | 165  | 300626   | 22.192 | ng/ul# | 77       |
| 50) Acenaphthylene            | 14.269 | 152  | 2104481  | 19.913 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.451 | 138  | 321008   | 20.672 | ng/ul  | 80       |
| 52) Acenaphthene              | 14.610 | 153  | 1359351  | 19.425 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.651 | 184  | 146798   | 19.290 | ng/ul# | 76       |
| 55) 4-Nitrophenol             | 14.751 | 109  | 207058   | 20.161 | ng/ul# | 83       |
| 56) Dibenzofuran              | 14.945 | 168  | 1960153  | 19.410 | ng/ul  | 87       |
| 57) 2,4-Dinitrotoluene        | 14.904 | 165  | 428214   | 22.120 | ng/ul# | 79       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.169 | 232  | 370872   | 20.062 | ng/ul# | 80       |
| 59) Diethylphthalate          | 15.369 | 149  | 1563946  | 19.803 | ng/ul  | 96       |
| 61) Fluorene                  | 15.598 | 166  | 1579826  | 19.628 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.592 | 204  | 809988   | 19.740 | ng/ul# | 79       |
| 63) 4-Nitroaniline            | 15.610 | 138  | 323967   | 20.897 | ng/ul# | 83       |
| 66) 4,6-Dinitro-2-methylph... | 15.669 | 198  | 240995   | 21.223 | ng/ul# | 77       |
| 67) N-Nitrosodiphenylamine    | 15.804 | 169  | 1361631  | 20.506 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.486 | 248  | 465924   | 19.547 | ng/ul# | 82       |
| 69) Hexachlorobenzene         | 16.598 | 284  | 531350   | 19.224 | ng/ul# | 88       |
| 70) Atrazine                  | 16.757 | 200  | 488032   | 19.408 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 16.945 | 266  | 306035   | 19.331 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.339 | 178  | 2452314  | 19.526 | ng/ul  | 99       |
| 74) Anthracene                | 17.433 | 178  | 2514667  | 20.144 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.351 | 216  | 706669   | 19.998 | ng/uL  | 100      |
| 76) Pentachlorobenzene        | 14.869 | 250  | 682328   | 19.948 | ng/uL  | 98       |
| 77) Carbazole                 | 17.698 | 167  | 2189759  | 19.737 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.251 | 149  | 2505964  | 19.929 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.304 | 202  | 2827958  | 20.994 | ng/ul# | 93       |
| 82) Pyrene                    | 19.657 | 202  | 2900757  | 20.994 | ng/ul# | 92       |
| 83) Butylbenzylphthalate      | 20.527 | 149  | 1025099  | 21.307 | ng/ul# | 89       |
| 84) 3,3'-Dichlorobenzidine    | 21.292 | 252  | 895275   | 18.657 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.363 | 228  | 2649702  | 19.679 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.292 | 149  | 1514480  | 21.116 | ng/ul# | 94       |
| 87) Chrysene                  | 21.416 | 228  | 2592748  | 19.459 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.221 | 149  | 2361558  | 21.490 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.057 | 252  | 2602915  | 20.921 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.110 | 252  | 2346170  | 20.146 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.692 | 252  | 2404834  | 20.089 | ng/ul# | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.339 | 276  | 2460172  | 17.716 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.356 | 278  | 2137173  | 17.788 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 27.115 | 276  | 2017880  | 16.943 | ng/ul  | 97       |

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

