

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102121\  
 Data File : BP007580.D  
 Acq On : 22 Oct 2021 08:47  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020712

Manual Integrations  
 APPROVED

mohammad  
 10/22/2021 2:55:11 PM

Quant Time: Oct 22 09:13:48 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP101421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 20 10:49:33 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.946  | 152  | 249222   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.751 | 136  | 982274   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.581 | 164  | 623210   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.333 | 188  | 1354950  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.421 | 240  | 1421603  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.868 | 264  | 1527185  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.375  | 96   | 42810    | 6.784  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.793  | 84   | 343672   | 19.896 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.105  | 99   | 388677   | 19.970 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.275  | 67   | 219584   | 18.916 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.475  | 132  | 313813   | 20.496 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.652  | 113  | 305954   | 20.408 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.104  | 128  | 140261   | 22.563 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.828  | 143  | 153178   | 26.381 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.369 | 165  | 325310   | 22.970 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.881 | 131  | 409294   | 21.371 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.992 | 166  | 869577   | 20.168 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.275 | 160  | 1118171  | 20.636 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.769 | 143  | 159333   | 23.031 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.575 | 176  | 756186   | 20.957 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.692 | 200  | 111199   | 20.482 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.433 | 188  | 1180792  | 20.520 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.669 | 212  | 1412755  | 19.879 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.710 | 264  | 1560097  | 20.530 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.411  | 88   | 48822    | 7.113  | ng/uL  | 88       |
| 5) Pyridine                   | 3.811  | 79   | 334248   | 20.008 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.081  | 77   | 251653   | 23.012 | ng/u1  | 99       |
| 8) Phenol                     | 7.134  | 94   | 400803   | 20.142 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.369  | 93   | 314840   | 19.604 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.510  | 128  | 321151   | 20.431 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.387  | 108  | 301105   | 20.088 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.475  | 45   | 363113   | 17.743 | ng/u1  | 99       |
| 16) Acetophenone              | 8.769  | 105  | 465250   | 20.287 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.757  | 70   | 224660   | 18.935 | ng/u1# | 95       |
| 18) 4-Methylphenol            | 8.716  | 108  | 323466   | 20.261 | ng/u1  | 97       |
| 19) Hexachloroethane          | 9.034  | 117  | 126427   | 19.210 | ng/u1  | 89       |
| 22) Nitrobenzene              | 9.146  | 77   | 345886   | 21.671 | ng/u1  | 97       |
| 23) Isophorone                | 9.681  | 82   | 640301   | 19.163 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.857  | 139  | 167883   | 24.944 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.922  | 107  | 356410   | 20.740 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.163 | 93   | 408793   | 19.745 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.399 | 162  | 313215   | 22.501 | ng/u1  | 97       |
| 30) Naphthalene               | 10.804 | 128  | 976170   | 20.434 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.904 | 127  | 418823   | 21.612 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.098 | 225  | 216639   | 22.167 | ng/u1  | 99       |
| 34) Caprolactam               | 11.669 | 113  | 94662m   | 25.924 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.034 | 107  | 328956   | 21.754 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.410 | 142  | 671765   | 20.575 | ng/u1  | 100      |

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| 37) 1-Methylnaphthalene       | 12.628 | 142  | 683017   | 20.665 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.781 | 216  | 398082   | 22.098 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.769 | 237  | 185208   | 16.305 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.016 | 196  | 250383   | 23.637 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.087 | 196  | 275263   | 24.960 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.416 | 154  | 903805   | 20.347 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.457 | 162  | 698623   | 20.420 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.657 | 65   | 185673   | 23.342 | ng/ul  | 90       |
| 47) Dimethylphthalate         | 14.039 | 163  | 861593   | 20.118 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.151 | 165  | 170278   | 23.977 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.304 | 152  | 1118433  | 20.472 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.475 | 138  | 190883   | 24.122 | ng/ul# | 97       |
| 52) Acenaphthene              | 14.645 | 153  | 720607   | 20.369 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.687 | 184  | 68763    | 20.960 | ng/ul  | 90       |
| 55) 4-Nitrophenol             | 14.781 | 109  | 136369   | 21.818 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.981 | 168  | 1060541  | 20.646 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.939 | 165  | 248250   | 24.887 | ng/ul  | 91       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.210 | 232  | 224969   | 24.583 | ng/ul  | 94       |
| 59) Diethylphthalate          | 15.410 | 149  | 843172   | 19.746 | ng/ul  | 98       |
| 61) Fluorene                  | 15.634 | 166  | 825642   | 21.214 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.628 | 204  | 425226   | 21.458 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.639 | 138  | 183563   | 26.166 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.704 | 198  | 113957   | 20.291 | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine    | 15.839 | 169  | 742421   | 20.352 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.528 | 248  | 271396   | 22.235 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.639 | 284  | 310442   | 21.145 | ng/ul  | 97       |
| 70) Atrazine                  | 16.798 | 200  | 290979   | 21.070 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.986 | 266  | 191671   | 23.583 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.380 | 178  | 1372874  | 20.268 | ng/ul  | 100      |
| 74) Anthracene                | 17.469 | 178  | 1382478  | 20.406 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.381 | 216  | 413680   | 21.050 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.904 | 250  | 390537   | 21.318 | ng/ul  | 99       |
| 77) Carbazole                 | 17.733 | 167  | 1282889  | 21.558 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.298 | 149  | 1487234  | 20.343 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.345 | 202  | 1740223  | 19.735 | ng/ul  | 98       |
| 82) Pyrene                    | 19.698 | 202  | 1758610  | 19.777 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.574 | 149  | 702832   | 21.528 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.333 | 252  | 570307   | 21.085 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.404 | 228  | 1786357  | 20.452 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 1022493  | 20.486 | ng/ul  | 99       |
| 87) Chrysene                  | 21.463 | 228  | 1701783  | 20.112 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.286 | 149  | 1794893  | 20.829 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.121 | 252  | 1858495  | 19.995 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.168 | 252  | 1760854  | 20.317 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.762 | 252  | 1797089  | 20.212 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.427 | 276  | 2103832  | 20.425 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.451 | 278  | 1797077  | 20.489 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.209 | 276  | 1808692  | 20.389 | ng/ul  | 97       |

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

