

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP090623\  
 Data File : BP016972.D  
 Acq On : 07 Sep 2023 01:21  
 Operator : MA/JU  
 Sample : PB155062BS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS062

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/07/2023  
 Supervised By :mohammad ahmed 09/07/2023

Quant Time: Sep 07 01:54:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP090523.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 06 01:52:05 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.981  | 152  | 361207   | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8            | 10.810 | 136  | 1600690  | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10          | 14.639 | 164  | 981334   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10          | 17.410 | 188  | 2068160  | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12              | 21.510 | 240  | 1728924  | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12              | 24.051 | 264  | 1558978  | 20.000 | ng/u1 | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.328  | 96   | 80304    | 8.409  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.763  | 84   | 957576   | 35.095 | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 7.128  | 99   | 1248316  | 37.828 | ng/u1 | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.322  | 67   | 761827   | 36.908 | ng/u1 | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.499  | 132  | 915145   | 38.317 | ng/u1 | 0.00     |
| 15) 4-Methylphenol-d8         | 8.693  | 113  | 968618   | 38.528 | ng/u1 | 0.00     |
| 21) Nitrobenzene-d5           | 9.181  | 128  | 466743   | 37.585 | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.893  | 143  | 522835   | 38.839 | ng/u1 | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.422 | 165  | 943016   | 37.944 | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.969 | 131  | 1260949  | 35.167 | ng/u1 | 0.00     |
| 46) Dimethylphthalate-d6      | 14.057 | 166  | 2789707  | 38.190 | ng/u1 | 0.00     |
| 49) Acenaphthylene-d8         | 14.339 | 160  | 3228955  | 38.302 | ng/u1 | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.857 | 143  | 558613   | 39.149 | ng/u1 | 0.00     |
| 60) Fluorene-d10              | 15.633 | 176  | 2378309  | 38.027 | ng/u1 | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.769 | 200  | 455660   | 36.611 | ng/u1 | 0.00     |
| 73) Anthracene-d10            | 17.510 | 188  | 3545011  | 37.324 | ng/u1 | 0.00     |
| 81) Pyrene-d10                | 19.745 | 212  | 4022615  | 38.198 | ng/u1 | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.880 | 264  | 3168446  | 40.061 | ng/u1 | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.363  | 88   | 150409   | 14.588 | ng/uL | 98       |
| 5) Pyridine                   | 3.781  | 79   | 984345   | 33.888 | ng/u1 | 98       |
| 6) Benzaldehyde               | 7.140  | 77   | 789654   | 52.796 | ng/u1 | 98       |
| 8) Phenol                     | 7.157  | 94   | 1363083  | 39.756 | ng/u1 | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.416  | 93   | 1067592  | 39.047 | ng/u1 | 100      |
| 12) 2-Chlorophenol            | 7.534  | 128  | 1012539  | 39.795 | ng/u1 | 99       |
| 13) 2-Methylphenol            | 8.422  | 108  | 1000617  | 39.787 | ng/u1 | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.493  | 45   | 1532062m | 39.799 | ng/u1 |          |
| 16) Acetophenone              | 8.834  | 105  | 1655571  | 40.808 | ng/u1 | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.810  | 70   | 897957   | 41.434 | ng/u1 | 99       |
| 18) 4-Methylphenol            | 8.763  | 108  | 1105342  | 40.301 | ng/u1 | 97       |
| 19) Hexachloroethane          | 9.051  | 117  | 416197   | 39.485 | ng/u1 | 97       |
| 22) Nitrobenzene              | 9.228  | 77   | 1306016  | 39.387 | ng/u1 | 100      |
| 23) Isophorone                | 9.740  | 82   | 2491436  | 39.994 | ng/u1 | 99       |
| 25) 2-Nitrophenol             | 9.928  | 139  | 604047   | 40.756 | ng/u1 | 100      |
| 26) 2,4-Dimethylphenol        | 9.969  | 107  | 1059031  | 34.996 | ng/u1 | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.228 | 93   | 1505013  | 38.983 | ng/u1 | 100      |
| 29) 2,4-Dichlorophenol        | 10.451 | 162  | 998627   | 39.428 | ng/u1 | 99       |
| 30) Naphthalene               | 10.863 | 128  | 3340275  | 38.243 | ng/u1 | 100      |
| 32) 4-Chloroaniline           | 10.992 | 127  | 1330596  | 35.658 | ng/u1 | 100      |
| 33) Hexachlorobutadiene       | 11.092 | 225  | 571225   | 37.734 | ng/u1 | 99       |
| 34) Caprolactam               | 11.828 | 113  | 348825m  | 41.586 | ng/u1 |          |
| 35) 4-Chloro-3-methylphenol   | 12.098 | 107  | 1143057  | 41.183 | ng/u1 | 99       |
| 36) 2-Methylnaphthalene       | 12.463 | 142  | 2270311  | 39.333 | ng/u1 | 100      |

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### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/07/2023  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.686 | 142  | 2245927  | 38.648 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.816 | 216  | 1123752  | 38.867 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.763 | 237  | 589044   | 31.443 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.069 | 196  | 801657   | 40.737 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.139 | 196  | 890087   | 41.570 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.475 | 154  | 3061604  | 39.413 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.522 | 162  | 2389929  | 39.186 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.757 | 65   | 803090   | 44.215 | ng/ul | 95       |
| 47) Dimethylphthalate         | 14.104 | 163  | 3091835  | 40.339 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.245 | 165  | 652061   | 43.807 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.369 | 152  | 3771201  | 39.951 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.586 | 138  | 683179   | 45.990 | ng/ul | 98       |
| 52) Acenaphthene              | 14.704 | 153  | 2602546  | 39.517 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.786 | 184  | 343192   | 37.186 | ng/ul | 94       |
| 55) 4-Nitrophenol             | 14.875 | 109  | 471879   | 41.320 | ng/ul | 98       |
| 56) Dibenzofuran              | 15.039 | 168  | 3579187  | 39.524 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 15.028 | 165  | 954738   | 44.683 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.257 | 232  | 707053   | 40.957 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.457 | 149  | 3136015  | 40.944 | ng/ul | 100      |
| 61) Fluorene                  | 15.692 | 166  | 3008895  | 40.301 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.680 | 204  | 1456266  | 40.361 | ng/ul | 97       |
| 63) 4-Nitroaniline            | 15.757 | 138  | 691158   | 52.919 | ng/ul | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.780 | 198  | 507289   | 38.904 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.910 | 169  | 2535418  | 40.657 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.586 | 248  | 831327   | 40.403 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.669 | 284  | 904312   | 40.094 | ng/ul | 100      |
| 70) Atrazine                  | 16.863 | 200  | 767701   | 35.955 | ng/ul | 99       |
| 71) Pentachlorophenol         | 17.033 | 266  | 566111   | 38.489 | ng/ul | 99       |
| 72) Phenanthrene              | 17.451 | 178  | 4621920  | 40.218 | ng/ul | 100      |
| 74) Anthracene                | 17.545 | 178  | 4607339  | 39.882 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.428 | 216  | 754457   | 25.610 | ng/uL | 98       |
| 76) Pentachlorobenzene        | 14.933 | 250  | 1075335  | 37.894 | ng/uL | 99       |
| 77) Carbazole                 | 17.827 | 167  | 4314220  | 41.557 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.339 | 149  | 5357758  | 42.126 | ng/ul | 100      |
| 80) Fluoranthene              | 19.416 | 202  | 5309680  | 40.380 | ng/ul | 100      |
| 82) Pyrene                    | 19.774 | 202  | 5504205  | 40.317 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.633 | 149  | 2441189  | 43.237 | ng/ul | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.427 | 252  | 1580679  | 41.196 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.492 | 228  | 5032486  | 41.330 | ng/ul | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.368 | 149  | 3492496  | 44.776 | ng/ul | 99       |
| 87) Chrysene                  | 21.551 | 228  | 4667927  | 40.982 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.339 | 149  | 5715822  | 43.737 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.256 | 252  | 4572206  | 41.977 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.309 | 252  | 4356761  | 41.305 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.939 | 252  | 3803428  | 41.865 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.750 | 276  | 4220797  | 41.853 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.774 | 278  | 3505479  | 42.115 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.597 | 276  | 3272427  | 41.177 | ng/ul | 99       |

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

