

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP042722\  
 Data File : BP010128.D  
 Acq On : 27 Apr 2022 20:15  
 Operator : CG/JU  
 Sample : PB144421BS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS421

Quant Time: Apr 28 03:26:43 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP042122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 21 14:49:38 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 04/28/2022  
 Supervised By :Yogesh Patel 05/05/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.934  | 152  | 179527   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.734 | 136  | 763059   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.563 | 164  | 506218   | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.322 | 188  | 1034785  | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.404 | 240  | 809215   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.857 | 264  | 602536   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.363  | 96   | 21128    | 5.132  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.781  | 84   | 285931   | 24.688 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.093  | 99   | 441377   | 27.029 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.257  | 67   | 287858   | 29.378 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.463  | 132  | 355233   | 29.374 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.640  | 113  | 379834   | 28.074 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 9.093  | 128  | 183477   | 30.232 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.816  | 143  | 208242   | 31.418 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.357 | 165  | 371571   | 28.797 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.869 | 131  | 481546   | 26.028 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.975 | 166  | 1222897  | 31.055 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.257 | 160  | 1381421  | 28.986 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.763 | 143  | 203352m  | 28.051 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.557 | 176  | 1025002  | 30.260 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.680 | 200  | 209017   | 31.945 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.422 | 188  | 1613415  | 32.228 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.651 | 212  | 1801919  | 39.155 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.698 | 264  | 1103885  | 34.946 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.399  | 88   | 43304    | 10.122 | ng/uL# | 28       |
| 5) Pyridine                   | 3.799  | 79   | 300389   | 24.951 | ng/u1# | 45       |
| 6) Benzaldehyde               | 7.069  | 77   | 296400   | 33.965 | ng/u1  | 94       |
| 8) Phenol                     | 7.122  | 94   | 443221   | 27.013 | ng/u1# | 93       |
| 10) Bis(2-Chloroethyl)ether   | 7.352  | 93   | 358456   | 28.356 | ng/u1# | 79       |
| 12) 2-Chlorophenol            | 7.493  | 128  | 347679   | 28.502 | ng/u1  | 94       |
| 13) 2-Methylphenol            | 8.375  | 108  | 341096   | 27.106 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.463  | 45   | 530702   | 28.293 | ng/u1# | 84       |
| 16) Acetophenone              | 8.757  | 105  | 562250   | 26.636 | ng/u1# | 82       |
| 17) N-Nitroso-di-n-propyla... | 8.746  | 70   | 302161   | 27.321 | ng/u1# | 76       |
| 18) 4-Methylphenol            | 8.704  | 108  | 373352   | 26.947 | ng/u1  | 92       |
| 19) Hexachloroethane          | 9.016  | 117  | 149966   | 29.257 | ng/u1  | 81       |
| 22) Nitrobenzene              | 9.134  | 77   | 434822   | 29.243 | ng/u1# | 85       |
| 23) Isophorone                | 9.663  | 82   | 833828   | 28.391 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.845  | 139  | 206114   | 29.361 | ng/u1# | 83       |
| 26) 2,4-Dimethylphenol        | 9.910  | 107  | 436578   | 28.725 | ng/u1# | 81       |
| 27) Bis(2-Chloroethoxy)met... | 10.145 | 93   | 493423   | 28.664 | ng/u1# | 96       |
| 29) 2,4-Dichlorophenol        | 10.387 | 162  | 360223   | 29.042 | ng/u1# | 85       |
| 30) Naphthalene               | 10.787 | 128  | 1159476  | 29.032 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 10.893 | 127  | 456882   | 25.060 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.081 | 225  | 256683   | 29.199 | ng/u1  | 95       |
| 34) Caprolactam               | 11.669 | 113  | 127993m  | 28.687 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.016 | 107  | 416874   | 27.821 | ng/u1# | 70       |
| 36) 2-Methylnaphthalene       | 12.392 | 142  | 814822   | 28.131 | ng/u1  | 93       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.610 | 142  | 835815   | 28.419 | ng/ul# | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 12.763 | 216  | 479299   | 30.646 | ng/ul# | 93       |
| 40) Hexachlorocyclopentadiene | 12.751 | 237  | 266148   | 30.197 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.998 | 196  | 307786   | 30.416 | ng/ul# | 84       |
| 42) 2,4,5-Trichlorophenol     | 13.075 | 196  | 331454   | 30.105 | ng/ul# | 86       |
| 43) 1,1'-Biphenyl             | 13.398 | 154  | 1122961  | 30.077 | ng/ul  | 93       |
| 44) 2-Chloronaphthalene       | 13.439 | 162  | 868144   | 30.046 | ng/ul  | 95       |
| 45) 2-Nitroaniline            | 13.639 | 65   | 282297   | 30.131 | ng/ul# | 79       |
| 47) Dimethylphthalate         | 14.022 | 163  | 1145713  | 29.937 | ng/ul# | 92       |
| 48) 2,6-Dinitrotoluene        | 14.139 | 165  | 243518   | 31.006 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.286 | 152  | 1408105  | 29.828 | ng/ul  | 95       |
| 51) 3-Nitroaniline            | 14.469 | 138  | 220348   | 30.971 | ng/ul# | 79       |
| 52) Acenaphthene              | 14.628 | 153  | 905809   | 29.509 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.675 | 184  | 113881   | 25.948 | ng/ul# | 79       |
| 55) 4-Nitrophenol             | 14.775 | 109  | 166350   | 26.412 | ng/ul# | 44       |
| 56) Dibenzofuran              | 14.963 | 168  | 1326932  | 29.193 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.928 | 165  | 356777   | 31.096 | ng/ul# | 87       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.192 | 232  | 294983   | 30.141 | ng/ul# | 87       |
| 59) Diethylphthalate          | 15.386 | 149  | 1188802  | 30.540 | ng/ul  | 93       |
| 61) Fluorene                  | 15.616 | 166  | 1084131  | 29.050 | ng/ul  | 91       |
| 62) 4-Chlorophenyl-phenyle... | 15.610 | 204  | 575482   | 29.301 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.633 | 138  | 238783   | 34.492 | ng/ul# | 78       |
| 66) 4,6-Dinitro-2-methylph... | 15.692 | 198  | 194514   | 30.813 | ng/ul# | 91       |
| 67) N-Nitrosodiphenylamine    | 15.822 | 169  | 950235   | 32.004 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether | 16.504 | 248  | 352155   | 31.905 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.627 | 284  | 406850   | 31.756 | ng/ul# | 90       |
| 70) Atrazine                  | 16.780 | 200  | 395663   | 32.778 | ng/ul# | 90       |
| 71) Pentachlorophenol         | 16.969 | 266  | 245800   | 30.126 | ng/ul# | 85       |
| 72) Phenanthrene              | 17.363 | 178  | 1740740  | 30.950 | ng/ul  | 99       |
| 74) Anthracene                | 17.457 | 178  | 1775822  | 31.347 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.369 | 216  | 488602   | 32.343 | ng/uL# | 87       |
| 76) Pentachlorobenzene        | 14.892 | 250  | 468037   | 31.594 | ng/uL  | 90       |
| 77) Carbazole                 | 17.722 | 167  | 1534756  | 30.616 | ng/ul# | 95       |
| 78) Di-n-butylphthalate       | 18.274 | 149  | 2064129  | 33.468 | ng/ul# | 93       |
| 80) Fluoranthene              | 19.327 | 202  | 2041231  | 39.324 | ng/ul  | 97       |
| 82) Pyrene                    | 19.680 | 202  | 2054935  | 38.425 | ng/ul# | 94       |
| 83) Butylbenzylphthalate      | 20.545 | 149  | 866858   | 39.214 | ng/ul# | 80       |
| 84) 3,3'-Dichlorobenzidine    | 21.315 | 252  | 501324   | 34.431 | ng/ul# | 96       |
| 85) Benzo(a)anthracene        | 21.386 | 228  | 1689394  | 32.896 | ng/ul  | 94       |
| 86) Bis(2-ethylhexyl)phtha... | 21.310 | 149  | 1247995  | 38.091 | ng/ul# | 82       |
| 87) Chrysene                  | 21.445 | 228  | 1642058  | 32.473 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.251 | 149  | 1932850  | 41.264 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.110 | 252  | 1388162  | 34.269 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.157 | 252  | 1323424  | 34.491 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 23.751 | 252  | 1291140  | 34.469 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.427 | 276  | 1364022  | 36.605 | ng/ul# | 93       |
| 95) Dibenzo(a,h)anthracene    | 26.439 | 278  | 1148405  | 36.017 | ng/ul# | 96       |
| 96) Benzo(g,h,i)perylene      | 27.209 | 276  | 1176728  | 37.425 | ng/ul# | 92       |

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

