

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071822\  
 Data File : BP011000.D  
 Acq On : 18 Jul 2022 19:19  
 Operator : CG/JU  
 Sample : N3753-02MS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 GBHP4MS

Quant Time: Jul 19 00:46:42 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071422.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 14 15:34:34 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 07/19/2022  
 Supervised By :mohammad ahmed 07/20/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.681  | 152  | 355217   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.475 | 136  | 1479114  | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.340 | 164  | 800737   | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.110 | 188  | 1598376  | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.233 | 240  | 1558749  | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.580 | 264  | 1658530  | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.181  | 96   | 41220    | 4.183  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.593  | 84   | 258523   | 10.151 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.858  | 99   | 176964   | 6.069  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.022  | 67   | 621619   | 33.153 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.217  | 132  | 579639   | 24.602 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.399  | 113  | 339968   | 14.564 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 358395   | 33.249 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.563  | 143  | 332197   | 31.146 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.099 | 165  | 567835   | 29.111 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.622 | 131  | 875437   | 27.224 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.763 | 166  | 2067343  | 37.775 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.034 | 160  | 2427922  | 37.600 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.557 | 143  | 69356    | 6.262  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.340 | 176  | 1729970  | 37.189 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.469 | 200  | 286041   | 36.165 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.210 | 188  | 2667774  | 39.260 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.463 | 212  | 3140810  | 38.365 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.433 | 264  | 3238526  | 40.655 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.217  | 88   | 49400    | 4.778  | ng/uL# | 88       |
| 5) Pyridine                   | 3.611  | 79   | 272261   | 10.373 | ng/u1# | 81       |
| 6) Benzaldehyde               | 6.828  | 77   | 603368   | 42.601 | ng/u1  | 98       |
| 8) Phenol                     | 6.887  | 94   | 199524   | 6.437  | ng/u1# | 85       |
| 10) Bis(2-Chloroethyl)ether   | 7.117  | 93   | 810608   | 32.954 | ng/u1  | 91       |
| 12) 2-Chlorophenol            | 7.246  | 128  | 612610   | 25.154 | ng/u1  | 93       |
| 13) 2-Methylphenol            | 8.134  | 108  | 412003   | 17.975 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.222  | 45   | 1154474  | 34.314 | ng/u1# | 97       |
| 16) Acetophenone              | 8.511  | 105  | 1165327  | 32.977 | ng/u1# | 90       |
| 17) N-Nitroso-di-n-propyla... | 8.499  | 70   | 580875   | 32.761 | ng/u1  | 92       |
| 18) 4-Methylphenol            | 8.458  | 108  | 373299   | 15.254 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.752  | 117  | 320079   | 33.210 | ng/u1# | 78       |
| 22) Nitrobenzene              | 8.887  | 77   | 883902   | 34.869 | ng/u1  | 92       |
| 23) Isophorone                | 9.416  | 82   | 1582783  | 33.362 | ng/u1# | 98       |
| 25) 2-Nitrophenol             | 9.593  | 139  | 378212   | 31.590 | ng/u1# | 83       |
| 26) 2,4-Dimethylphenol        | 9.658  | 107  | 629348   | 24.858 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.905  | 93   | 1023616  | 32.603 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.128 | 162  | 578049   | 28.632 | ng/u1  | 99       |
| 30) Naphthalene               | 10.528 | 128  | 2495295  | 33.106 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.646 | 127  | 876856   | 27.568 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.810 | 225  | 369298   | 31.424 | ng/u1  | 96       |
| 34) Caprolactam               | 11.452 | 113  | 24024m   | 3.395  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.775 | 107  | 604945   | 26.513 | ng/u1  | 94       |
| 36) 2-Methylnaphthalene       | 12.146 | 142  | 1574821  | 32.229 | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.369 | 142  | 1585975  | 32.381 | ng/ul# | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.516 | 216  | 709221   | 33.582 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.493 | 237  | 390456   | 29.850 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.763 | 196  | 464625   | 33.407 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.834 | 196  | 513831   | 34.570 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.169 | 154  | 2065944  | 34.579 | ng/ul# | 96       |
| 44) 2-Chloronaphthalene       | 13.210 | 162  | 1567274  | 34.924 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.422 | 65   | 499803m  | 38.227 | ng/ul  |          |
| 47) Dimethylphthalate         | 13.810 | 163  | 2093563  | 37.911 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 13.928 | 165  | 412208   | 41.230 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.063 | 152  | 2564231  | 35.391 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.257 | 138  | 422418   | 35.167 | ng/ul  | 92       |
| 52) Acenaphthene              | 14.404 | 153  | 1769134  | 36.858 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.463 | 184  | 184749   | 31.586 | ng/ul# | 85       |
| 55) 4-Nitrophenol             | 14.569 | 109  | 57592    | 6.791  | ng/ul# | 77       |
| 56) Dibenzofuran              | 14.746 | 168  | 2418642  | 36.518 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.716 | 165  | 598211   | 41.948 | ng/ul  | 88       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.975 | 232  | 440809   | 37.870 | ng/ul# | 88       |
| 59) Diethylphthalate          | 15.187 | 149  | 2214580  | 39.050 | ng/ul  | 98       |
| 61) Fluorene                  | 15.398 | 166  | 2016288  | 37.934 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.398 | 204  | 908052   | 37.109 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.428 | 138  | 457497   | 41.443 | ng/ul# | 80       |
| 66) 4,6-Dinitro-2-methylph... | 15.481 | 198  | 297834   | 36.706 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 15.616 | 169  | 1722374  | 37.723 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.298 | 248  | 558363   | 38.733 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.404 | 284  | 640619   | 38.289 | ng/ul  | 93       |
| 70) Atrazine                  | 16.587 | 200  | 587984   | 37.226 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.757 | 266  | 359745   | 34.913 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.151 | 178  | 3270844  | 39.278 | ng/ul  | 99       |
| 74) Anthracene                | 17.245 | 178  | 3276574  | 39.555 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.128 | 216  | 749755   | 32.766 | ng/uL  | 96       |
| 76) Pentachlorobenzene        | 14.657 | 250  | 738716   | 36.828 | ng/uL  | 99       |
| 77) Carbazole                 | 17.522 | 167  | 3125018  | 40.308 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.092 | 149  | 3844536  | 39.671 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.139 | 202  | 3824810  | 39.947 | ng/ul# | 88       |
| 82) Pyrene                    | 19.492 | 202  | 3904483  | 39.524 | ng/ul# | 81       |
| 83) Butylbenzylphthalate      | 20.386 | 149  | 1787634  | 40.564 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.157 | 252  | 1191254  | 43.161 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 21.216 | 228  | 3791689  | 39.942 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.157 | 149  | 2671010  | 40.621 | ng/ul# | 97       |
| 87) Chrysene                  | 21.269 | 228  | 3646081  | 39.116 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.069 | 149  | 4565456  | 41.045 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.869 | 252  | 4158201  | 40.605 | ng/ul# | 96       |
| 91) Benzo(k)fluoranthene      | 22.916 | 252  | 3940759  | 40.968 | ng/ul# | 95       |
| 93) Benzo(a)pyrene            | 23.480 | 252  | 3600413  | 36.609 | ng/ul# | 94       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.021 | 276  | 4881490  | 42.710 | ng/ul# | 87       |
| 95) Dibenzo(a,h)anthracene    | 26.045 | 278  | 4078907  | 41.243 | ng/ul# | 92       |
| 96) Benzo(g,h,i)perylene      | 26.774 | 276  | 4021059  | 41.308 | ng/ul# | 88       |

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

