

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072623\  
 Data File : BP016381.D  
 Acq On : 26 Jul 2023 18:40  
 Operator : MA/JU  
 Sample : 03575-04MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCHA2MS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/27/2023  
 Supervised By :mohammad ahmed 07/27/2023

Quant Time: Jul 27 00:10:18 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP072523.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 25 23:56:16 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.093  | 152  | 327902   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.928 | 136  | 1248089  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.740 | 164  | 747104   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.504 | 188  | 1623081  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.592 | 240  | 1340086  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.192 | 264  | 1209776  | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.423  | 96   | 58299    | 7.010  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.852  | 84   | 854319   | 36.208 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.222  | 99   | 1368174  | 49.861 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.428  | 67   | 760484   | 46.162 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.611  | 132  | 1059697  | 49.502 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.793  | 113  | 994855   | 45.083 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.287  | 128  | 457231   | 59.493 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.010 | 143  | 438311   | 69.151 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.534 | 165  | 948978   | 54.014 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.081 | 131  | 1296830  | 47.447 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.151 | 166  | 2770520  | 50.670 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.440 | 160  | 3229298  | 49.991 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.928 | 143  | 494279   | 53.950 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.734 | 176  | 2365610  | 50.855 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.845 | 200  | 302198   | 56.527 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.604 | 188  | 3597877  | 50.043 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.828 | 212  | 4028347  | 52.941 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.021 | 264  | 3169230  | 54.298 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.464  | 88   | 165589   | 18.778 | ng/uL  | 95       |
| 5) Pyridine                   | 3.875  | 79   | 1053528  | 43.887 | ng/u1  | 96       |
| 6) Benzaldehyde               | 7.246  | 77   | 768403   | 51.330 | ng/u1  | 98       |
| 8) Phenol                     | 7.252  | 94   | 1409987  | 49.412 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.522  | 93   | 1097350  | 46.943 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.646  | 128  | 1105271  | 50.217 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.522  | 108  | 989047   | 45.203 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.628  | 45   | 1193825m | 42.206 | ng/u1  |          |
| 16) Acetophenone              | 8.940  | 105  | 1570537  | 45.098 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.916  | 70   | 789575   | 43.540 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.858  | 108  | 1075730  | 46.015 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.175  | 117  | 402114   | 43.669 | ng/u1  | 94       |
| 22) Nitrobenzene              | 9.334  | 77   | 1137977  | 55.308 | ng/u1  | 97       |
| 23) Isophorone                | 9.852  | 82   | 2272700  | 49.040 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.040 | 139  | 511818   | 64.713 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 10.075 | 107  | 1132892  | 50.660 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.340 | 93   | 1396567  | 49.982 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.557 | 162  | 952633   | 53.636 | ng/u1  | 98       |
| 30) Naphthalene               | 10.981 | 128  | 3218660  | 49.792 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.104 | 127  | 1321397  | 49.314 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.222 | 225  | 568477   | 48.700 | ng/u1  | 98       |
| 34) Caprolactam               | 11.899 | 113  | 327213m  | 51.718 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.193 | 107  | 1056294  | 53.728 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.575 | 142  | 2161272  | 49.060 | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.793 | 142  | 2153234  | 48.886 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.922 | 216  | 1099429  | 49.811 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.881 | 237  | 568710   | 36.093 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.169 | 196  | 729391   | 56.087 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.234 | 196  | 799674   | 57.458 | ng/ul  | 100      |
| 43) 1,1'-Biphenyl             | 13.581 | 154  | 2846842  | 50.465 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.622 | 162  | 2226924  | 50.462 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.845 | 65   | 619276   | 67.066 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 14.198 | 163  | 3835614  | 69.560 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.334 | 165  | 541824   | 68.188 | ng/ul  | 91       |
| 50) Acenaphthylene            | 14.469 | 152  | 3499734  | 47.555 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.669 | 138  | 589044   | 63.365 | ng/ul# | 96       |
| 52) Acenaphthene              | 14.804 | 153  | 2380414  | 50.163 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.863 | 184  | 175525   | 51.648 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.940 | 109  | 406961   | 55.106 | ng/ul  | 97       |
| 56) Dibenzofuran              | 15.140 | 168  | 3280631  | 50.500 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.110 | 165  | 767651   | 67.761 | ng/ul  | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.345 | 232  | 653665   | 58.875 | ng/ul  | 95       |
| 59) Diethylphthalate          | 15.557 | 149  | 2839234  | 51.123 | ng/ul  | 100      |
| 61) Fluorene                  | 15.787 | 166  | 2650990  | 50.240 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.781 | 204  | 1272538  | 49.469 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.834 | 138  | 577516   | 67.750 | ng/ul  | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.863 | 198  | 336524   | 52.654 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 15.998 | 169  | 2297224  | 50.479 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.681 | 248  | 811622   | 52.728 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.763 | 284  | 920169   | 49.851 | ng/ul  | 98       |
| 70) Atrazine                  | 16.957 | 200  | 819018   | 49.326 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.122 | 266  | 990607   | 95.236 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.545 | 178  | 4231794  | 50.104 | ng/ul  | 99       |
| 74) Anthracene                | 17.639 | 178  | 4193728  | 48.746 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.534 | 216  | 1084960  | 46.309 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 15.034 | 250  | 1035024  | 49.993 | ng/ul  | 99       |
| 77) Carbazole                 | 17.910 | 167  | 3934185  | 53.126 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.433 | 149  | 5037759  | 53.419 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.498 | 202  | 4836837  | 53.029 | ng/ul  | 98       |
| 82) Pyrene                    | 19.857 | 202  | 4889854  | 51.891 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.722 | 149  | 2256106  | 63.239 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.510 | 252  | 1284194  | 43.600 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.575 | 228  | 4444901  | 48.970 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.469 | 149  | 3416609  | 62.783 | ng/ul  | 99       |
| 87) Chrysene                  | 21.633 | 228  | 4215368  | 50.150 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.469 | 149  | 5572922  | 73.284 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.386 | 252  | 4023959  | 55.542 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.439 | 252  | 3977240  | 55.163 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.080 | 252  | 3367552  | 49.354 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.974 | 276  | 3848590  | 48.846 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.010 | 278  | 3227906  | 49.534 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.833 | 276  | 3046221  | 48.835 | ng/ul  | 99       |

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

