

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032923\  
 Data File : BN024620.D  
 Acq On : 29 Mar 2023 21:34  
 Operator : CG/JU  
 Sample : 01983-05MSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EYGB0MSD

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/30/2023  
 Supervised By : Jagrut Upadhyay 03/30/2023

Quant Time: Mar 30 03:34:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN032923.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 30 03:30:09 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.999  | 152  | 324253   | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8            | 10.816 | 136  | 1460828  | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10          | 14.640 | 164  | 917993   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10          | 17.387 | 188  | 1976551  | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12              | 21.580 | 240  | 1758534  | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12              | 24.063 | 264  | 1938572  | 20.000 | ng/u1 | -0.01    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.370  | 96   | 46366    | 5.544  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.793  | 84   | 649663   | 26.902 | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 7.158  | 99   | 981003   | 31.969 | ng/u1 | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.328  | 67   | 615964   | 31.084 | ng/u1 | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.528  | 132  | 734914   | 32.304 | ng/u1 | 0.00     |
| 15) 4-Methylphenol-d8         | 8.710  | 113  | 764290   | 31.143 | ng/u1 | 0.00     |
| 21) Nitrobenzene-d5           | 9.169  | 128  | 370806   | 32.074 | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.893  | 143  | 406550   | 32.488 | ng/u1 | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.434 | 165  | 738384   | 32.487 | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.952 | 131  | 924595   | 26.660 | ng/u1 | 0.00     |
| 46) Dimethylphthalate-d6      | 14.051 | 166  | 2153281  | 30.503 | ng/u1 | 0.00     |
| 49) Acenaphthylene-d8         | 14.334 | 160  | 2556050  | 31.798 | ng/u1 | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.834 | 143  | 432477   | 29.271 | ng/u1 | 0.00     |
| 60) Fluorene-d10              | 15.634 | 176  | 1925938  | 31.797 | ng/u1 | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.751 | 200  | 355089   | 27.275 | ng/u1 | 0.00     |
| 73) Anthracene-d10            | 17.486 | 188  | 2891360  | 31.102 | ng/u1 | 0.00     |
| 81) Pyrene-d10                | 19.775 | 212  | 3368644  | 33.130 | ng/u1 | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.910 | 264  | 3233377  | 32.917 | ng/u1 | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.405  | 88   | 121887   | 13.526 | ng/uL | 98       |
| 5) Pyridine                   | 3.817  | 79   | 870083   | 34.614 | ng/u1 | 94       |
| 6) Benzaldehyde               | 7.134  | 77   | 611489   | 43.659 | ng/u1 | 98       |
| 8) Phenol                     | 7.187  | 94   | 1214855  | 38.139 | ng/u1 | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.422  | 93   | 920086   | 36.631 | ng/u1 | 100      |
| 12) 2-Chlorophenol            | 7.563  | 128  | 898568   | 37.858 | ng/u1 | 99       |
| 13) 2-Methylphenol            | 8.446  | 108  | 894830   | 37.618 | ng/u1 | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.528  | 45   | 1650181  | 36.983 | ng/u1 | 100      |
| 16) Acetophenone              | 8.828  | 105  | 1429587  | 37.317 | ng/u1 | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.816  | 70   | 754369   | 37.417 | ng/u1 | 98       |
| 18) 4-Methylphenol            | 8.775  | 108  | 995071   | 37.679 | ng/u1 | 97       |
| 19) Hexachloroethane          | 9.087  | 117  | 349076   | 37.237 | ng/u1 | 92       |
| 22) Nitrobenzene              | 9.210  | 77   | 1128524  | 37.580 | ng/u1 | 97       |
| 23) Isophorone                | 9.740  | 82   | 2107589  | 37.759 | ng/u1 | 100      |
| 25) 2-Nitrophenol             | 9.928  | 139  | 528852   | 38.873 | ng/u1 | 97       |
| 26) 2,4-Dimethylphenol        | 9.987  | 107  | 1056399  | 37.383 | ng/u1 | 96       |
| 27) Bis(2-Chloroethoxy)met... | 10.222 | 93   | 1275920  | 35.620 | ng/u1 | 99       |
| 29) 2,4-Dichlorophenol        | 10.463 | 162  | 872753   | 37.857 | ng/u1 | 97       |
| 30) Naphthalene               | 10.869 | 128  | 2959219  | 36.456 | ng/u1 | 99       |
| 32) 4-Chloroaniline           | 10.981 | 127  | 979886   | 27.902 | ng/u1 | 99       |
| 33) Hexachlorobutadiene       | 11.152 | 225  | 488270   | 36.777 | ng/u1 | 97       |
| 34) Caprolactam               | 11.763 | 113  | 312322m  | 39.173 | ng/u1 |          |
| 35) 4-Chloro-3-methylphenol   | 12.099 | 107  | 1020453  | 38.717 | ng/u1 | 96       |
| 36) 2-Methylnaphthalene       | 12.469 | 142  | 2010101  | 36.989 | ng/u1 | 98       |

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### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/30/2023  
 Supervised By : Jagrut Upadhyay 03/30/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.693 | 142  | 2023660  | 37.583 | ng/u1 | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.840 | 216  | 985253   | 36.207 | ng/u1 | 97       |
| 40) Hexachlorocyclopentadiene | 12.816 | 237  | 558514   | 32.615 | ng/u1 | 94       |
| 41) 2,4,6-Trichlorophenol     | 13.075 | 196  | 677707   | 37.381 | ng/u1 | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.146 | 196  | 765808   | 38.433 | ng/u1 | 97       |
| 43) 1,1'-Biphenyl             | 13.475 | 154  | 2683273  | 36.790 | ng/u1 | 99       |
| 44) 2-Chloronaphthalene       | 13.522 | 162  | 2080219  | 36.535 | ng/u1 | 99       |
| 45) 2-Nitroaniline            | 13.728 | 65   | 729268   | 41.223 | ng/u1 | 97       |
| 47) Dimethylphthalate         | 14.098 | 163  | 2586272  | 36.077 | ng/u1 | 100      |
| 48) 2,6-Dinitrotoluene        | 14.222 | 165  | 539353   | 39.720 | ng/u1 | 97       |
| 50) Acenaphthylene            | 14.363 | 152  | 3298016  | 37.474 | ng/u1 | 99       |
| 51) 3-Nitroaniline            | 14.545 | 138  | 594324   | 41.177 | ng/u1 | 100      |
| 52) Acenaphthene              | 14.704 | 153  | 2262256  | 36.888 | ng/u1 | 96       |
| 53) 2,4-Dinitrophenol         | 14.751 | 184  | 343935   | 37.289 | ng/u1 | 98       |
| 55) 4-Nitrophenol             | 14.851 | 109  | 427320   | 37.801 | ng/u1 | 97       |
| 56) Dibenzofuran              | 15.040 | 168  | 3105474  | 36.390 | ng/u1 | 99       |
| 57) 2,4-Dinitrotoluene        | 15.004 | 165  | 792195   | 39.823 | ng/u1 | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.263 | 232  | 623991   | 37.579 | ng/u1 | 100      |
| 59) Diethylphthalate          | 15.457 | 149  | 2597767  | 37.032 | ng/u1 | 99       |
| 61) Fluorene                  | 15.687 | 166  | 2561772  | 37.439 | ng/u1 | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.675 | 204  | 1184783  | 36.494 | ng/u1 | 99       |
| 63) 4-Nitroaniline            | 15.710 | 138  | 635329   | 44.682 | ng/u1 | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.763 | 198  | 465279   | 36.141 | ng/u1 | 97       |
| 67) N-Nitrosodiphenylamine    | 15.892 | 169  | 2187559  | 37.011 | ng/u1 | 99       |
| 68) 4-Bromophenyl-phenylether | 16.575 | 248  | 730264   | 37.017 | ng/u1 | 90       |
| 69) Hexachlorobenzene         | 16.692 | 284  | 853640   | 36.768 | ng/u1 | 95       |
| 70) Atrazine                  | 16.839 | 200  | 411759   | 20.390 | ng/u1 | 100      |
| 71) Pentachlorophenol         | 17.034 | 266  | 496443   | 34.979 | ng/u1 | 93       |
| 72) Phenanthrene              | 17.428 | 178  | 4096236  | 36.984 | ng/u1 | 98       |
| 74) Anthracene                | 17.522 | 178  | 4018704  | 36.117 | ng/u1 | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.446 | 216  | 1030113  | 36.453 | ng/u1 | 97       |
| 76) Pentachlorobenzene        | 14.957 | 250  | 978712   | 35.655 | ng/u1 | 98       |
| 77) Carbazole                 | 17.792 | 167  | 3767727  | 37.660 | ng/u1 | 99       |
| 78) Di-n-butylphthalate       | 18.351 | 149  | 4548805  | 40.124 | ng/u1 | 99       |
| 80) Fluoranthene              | 19.445 | 202  | 4607493  | 38.211 | ng/u1 | 99       |
| 82) Pyrene                    | 19.804 | 202  | 4821946  | 37.934 | ng/u1 | 99       |
| 83) Butylbenzylphthalate      | 20.698 | 149  | 2038583  | 42.119 | ng/u1 | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.492 | 252  | 1412530  | 34.362 | ng/u1 | 98       |
| 85) Benzo(a)anthracene        | 21.557 | 228  | 4667981  | 37.577 | ng/u1 | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.475 | 149  | 2939428  | 43.558 | ng/u1 | 99       |
| 87) Chrysene                  | 21.616 | 228  | 4496027  | 38.249 | ng/u1 | 98       |
| 89) Di-n-octyl phthalate      | 22.433 | 149  | 5003413  | 42.606 | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 23.298 | 252  | 4789246  | 37.729 | ng/u1 | 98       |
| 91) Benzo(k)fluoranthene      | 23.357 | 252  | 4525587  | 37.345 | ng/u1 | 99       |
| 93) Benzo(a)pyrene            | 23.957 | 252  | 4127862  | 37.135 | ng/u1 | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.668 | 276  | 4947502m | 34.927 | ng/u1 |          |
| 95) Dibenzo(a,h)anthracene    | 26.686 | 278  | 4207792  | 35.818 | ng/u1 | 98       |
| 96) Benzo(g,h,i)perylene      | 27.474 | 276  | 4036311m | 34.295 | ng/u1 |          |

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

