

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121024\  
 Data File : BP023354.D  
 Acq On : 10 Dec 2024 19:56  
 Operator : RC/JU  
 Sample : PB165459BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS459

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/12/2024  
 Supervised By :mohammad ahmed 12/13/2024

Quant Time: Dec 11 03:03:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 11 00:30:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.546  | 152  | 76500    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.287 | 136  | 299596   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.151 | 164  | 251573   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.945 | 188  | 674469   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.375 | 240  | 763886   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.545 | 264  | 868425   | 20.000 | ng/u1  | -0.03    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.111  | 96   | 10786    | 5.191  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.523  | 84   | 146850   | 27.484 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.752  | 99   | 176622   | 29.425 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.893  | 67   | 107596   | 28.412 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.093  | 132  | 128232   | 28.946 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.258  | 113  | 136305   | 28.136 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.681  | 128  | 57814    | 25.842 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.393  | 143  | 68311    | 26.494 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.934  | 165  | 152206   | 27.969 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.440 | 131  | 146814   | 24.082 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.563 | 166  | 511773   | 26.205 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.846 | 160  | 540286   | 26.228 | ng/u1  | 0.01     |
| 54) 4-Nitrophenol-d4          | 14.410 | 143  | 71301    | 29.793 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.157 | 176  | 451933   | 26.309 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.322 | 200  | 104841   | 25.720 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.063 | 188  | 789091   | 25.635 | ng/u1  | 0.01     |
| 81) Pyrene-d10                | 19.434 | 212  | 1035527  | 25.947 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 24.322 | 264  | 1216383  | 26.165 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.140  | 88   | 23086    | 10.041 | ng/uL  | 94       |
| 5) Pyridine                   | 3.540  | 79   | 149507   | 27.393 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.728  | 77   | 22876    | 6.666  | ng/u1  | 94       |
| 8) Phenol                     | 6.775  | 94   | 187149   | 29.949 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 6.981  | 93   | 132656   | 26.893 | ng/u1  | 93       |
| 12) 2-Chlorophenol            | 7.122  | 128  | 129505   | 27.885 | ng/u1  | 94       |
| 13) 2-Methylphenol            | 7.993  | 108  | 130857   | 28.237 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.052  | 45   | 174006   | 29.008 | ng/u1  | 98       |
| 16) Acetophenone              | 8.358  | 105  | 208204   | 25.535 | ng/u1  | 92       |
| 17) N-Nitroso-di-n-propyla... | 8.334  | 70   | 121980   | 27.456 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.316  | 108  | 143262   | 28.641 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.581  | 117  | 60656    | 26.824 | ng/u1  | 89       |
| 22) Nitrobenzene              | 8.728  | 77   | 193678   | 28.451 | ng/u1  | 95       |
| 23) Isophorone                | 9.240  | 82   | 331610   | 27.503 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.428  | 139  | 72959    | 26.490 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.487  | 107  | 173673   | 28.477 | ng/u1  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 9.716  | 93   | 181100   | 26.585 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 9.963  | 162  | 149018   | 27.630 | ng/u1  | 99       |
| 30) Naphthalene               | 10.334 | 128  | 396337   | 25.270 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.463 | 127  | 97620    | 16.514 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.605 | 225  | 120978   | 25.287 | ng/u1  | 100      |
| 34) Caprolactam               | 11.252 | 113  | 42358m   | 26.917 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.599 | 107  | 169967   | 29.023 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 11.946 | 142  | 302001   | 25.966 | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.169 | 142  | 305964   | 25.815 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 12.322 | 216  | 218029   | 23.749 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.281 | 237  | 100376   | 22.756 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.581 | 196  | 147041   | 27.065 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.669 | 196  | 157680   | 27.164 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 12.969 | 154  | 437641   | 24.552 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.010 | 162  | 355926   | 24.686 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.246 | 65   | 128328   | 30.720 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 13.610 | 163  | 496501   | 25.809 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.746 | 165  | 98380    | 26.689 | ng/ul  | 96       |
| 50) Acenaphthylene            | 13.875 | 152  | 541845   | 25.829 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.087 | 138  | 83894    | 27.155 | ng/ul  | 93       |
| 52) Acenaphthene              | 14.222 | 153  | 397149   | 25.902 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.316 | 184  | 64470    | 27.122 | ng/ul  | 91       |
| 55) 4-Nitrophenol             | 14.428 | 109  | 91449    | 28.364 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.563 | 168  | 596882   | 25.633 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.563 | 165  | 161550   | 27.197 | ng/ul# | 82       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.793 | 232  | 157334   | 27.302 | ng/ul  | 97       |
| 59) Diethylphthalate          | 14.993 | 149  | 529532   | 27.600 | ng/ul  | 99       |
| 61) Fluorene                  | 15.222 | 166  | 512909   | 27.052 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.216 | 204  | 294826   | 26.809 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.275 | 138  | 90149    | 33.176 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.334 | 198  | 110845   | 25.634 | ng/ul# | 91       |
| 67) N-Nitrosodiphenylamine    | 15.434 | 169  | 443770   | 25.765 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.122 | 248  | 200185   | 25.142 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.245 | 284  | 232330   | 23.818 | ng/ul  | 99       |
| 70) Atrazine                  | 16.416 | 200  | 199728   | 26.649 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.616 | 266  | 144113   | 25.312 | ng/ul  | 95       |
| 72) Phenanthrene              | 16.992 | 178  | 883640   | 25.342 | ng/ul  | 100      |
| 74) Anthracene                | 17.098 | 178  | 898780   | 25.778 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 12.934 | 216  | 222839   | 22.921 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.481 | 250  | 247082   | 23.057 | ng/uL  | 98       |
| 77) Carbazole                 | 17.387 | 167  | 800918   | 28.196 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 17.951 | 149  | 968342   | 27.744 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.086 | 202  | 1186676  | 25.949 | ng/ul  | 99       |
| 82) Pyrene                    | 19.469 | 202  | 1273867  | 26.250 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.422 | 149  | 466205   | 27.738 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.286 | 252  | 423919   | 24.185 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.357 | 228  | 1347647  | 26.309 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.280 | 149  | 669235   | 27.727 | ng/ul  | 99       |
| 87) Chrysene                  | 21.422 | 228  | 1264169  | 25.753 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.486 | 149  | 1147244  | 27.049 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.545 | 252  | 1399346  | 25.647 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.610 | 252  | 1439121  | 26.509 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.404 | 252  | 1302644  | 26.331 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.145 | 276  | 1699926m | 26.739 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.186 | 278  | 1354933  | 26.631 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 29.245 | 276  | 1320607m | 27.131 | ng/ul  |          |

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

