

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022024\  
 Data File : BP019791.D  
 Acq On : 20 Feb 2024 18:10  
 Operator : MA/JU  
 Sample : P1523-09MS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 20240768-AMENDED-COMP-39N-N-3-03MS

Quant Time: Feb 20 23:53:35 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 19 23:35:42 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/21/2024  
 Supervised By :mohammad ahmed 02/21/2024

02/21/2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.899  | 152  | 65990    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.698 | 136  | 238177   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.534 | 164  | 164393   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.292 | 188  | 370022   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.386 | 240  | 410344   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 23.804 | 264  | 497232   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 154150   | 37.654 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.069  | 99   | 346528   | 62.776 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.069  | 82   | 384084   | 69.876 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.028 | 330  | 66860    | 27.855 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.157 | 172  | 855001   | 64.296 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.857 | 244  | 1544047  | 61.881 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.381  | 88   | 54257    | 34.399 | ng    | # 83     |
| 3) Pyridine                   | 3.781  | 79   | 160419   | 37.514 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.699  | 42   | 77511    | 41.633 | ng    | 98       |
| 6) Aniline                    | 7.228  | 93   | 165383   | 30.834 | ng    | 98       |
| 8) 2-Chlorophenol             | 7.457  | 128  | 178990   | 42.586 | ng    | 97       |
| 9) Benzaldehyde               | 7.046  | 77   | 32640m   | 8.434  | ng    |          |
| 10) Phenol                    | 7.099  | 94   | 227683   | 41.384 | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.334  | 93   | 172149   | 40.219 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.781  | 146  | 206358   | 40.124 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.934  | 146  | 212397   | 40.763 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.246  | 146  | 201148   | 39.899 | ng    | 99       |
| 15) Benzyl Alcohol            | 8.146  | 79   | 186651   | 42.319 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.422  | 45   | 167116   | 39.044 | ng    | 99       |
| 17) 2-Methylphenol            | 8.346  | 107  | 151277   | 40.842 | ng    | 97       |
| 18) Hexachloroethane          | 8.963  | 117  | 78736    | 38.985 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.716  | 70   | 145445   | 38.575 | ng    | # 97     |
| 20) 3+4-Methylphenols         | 8.675  | 107  | 206929   | 40.935 | ng    | 97       |
| 22) Acetophenone              | 8.734  | 105  | 284142   | 41.876 | ng    | # 97     |
| 24) Nitrobenzene              | 9.110  | 77   | 217338   | 39.271 | ng    | 99       |
| 25) Isophorone                | 9.634  | 82   | 388386   | 40.572 | ng    | 100      |
| 26) 2-Nitrophenol             | 9.816  | 139  | 98482    | 46.670 | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 9.881  | 122  | 134313   | 49.777 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.122 | 93   | 222159   | 41.018 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.351 | 162  | 184063   | 45.126 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.557 | 180  | 213679   | 42.726 | ng    | 98       |
| 31) Naphthalene               | 10.745 | 128  | 540759   | 41.396 | ng    | 100      |
| 32) Benzoic acid              | 10.046 | 122  | 160162   | 60.922 | ng    | 93       |
| 33) 4-Chloroaniline           | 10.869 | 127  | 108053   | 22.367 | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.016 | 225  | 158266   | 42.705 | ng    | 98       |
| 35) Caprolactam               | 11.681 | 113  | 55753    | 48.283 | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 11.992 | 107  | 203637   | 45.787 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.357 | 142  | 384981   | 42.586 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.575 | 142  | 362926   | 40.852 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.722 | 216  | 268211   | 42.304 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.687 | 237  | 158325   | 55.279 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.969 | 196  | 172666   | 44.976 | ng    | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|--|
| 44) 2,4,5-Trichlorophenol     | 13.045 | 196  | 184499   | 43.766 | ng    | 98       |  |
| 46) 1,1'-Biphenyl             | 13.369 | 154  | 525617   | 40.060 | ng    | 100      |  |
| 47) 2-Chloronaphthalene       | 13.410 | 162  | 422594   | 39.236 | ng    | 98       |  |
| 48) 2-Nitroaniline            | 13.628 | 65   | 134158   | 44.546 | ng    | 98       |  |
| 49) Acenaphthylene            | 14.257 | 152  | 673923   | 44.599 | ng    | 100      |  |
| 50) Dimethylphthalate         | 14.004 | 163  | 538434   | 42.785 | ng    | 99       |  |
| 51) 2,6-Dinitrotoluene        | 14.128 | 165  | 119252   | 43.130 | ng    | 94       |  |
| 52) Acenaphthene              | 14.598 | 154  | 378846   | 40.395 | ng    | 98       |  |
| 53) 3-Nitroaniline            | 14.457 | 138  | 92545    | 36.421 | ng    | 98       |  |
| 54) 2,4-Dinitrophenol         | 14.669 | 184  | 100843   | 70.245 | ng    | 95       |  |
| 55) Dibenzofuran              | 14.934 | 168  | 647667   | 42.401 | ng    | 98       |  |
| 56) 4-Nitrophenol             | 14.769 | 139  | 191790   | 92.087 | ng    | 98       |  |
| 57) 2,4-Dinitrotoluene        | 14.916 | 165  | 166226   | 45.877 | ng    | 97       |  |
| 58) Fluorene                  | 15.586 | 166  | 525310   | 43.178 | ng    | 99       |  |
| 59) 2,3,4,6-Tetrachlorophenol | 15.163 | 232  | 184509   | 52.035 | ng    | # 94     |  |
| 60) Diethylphthalate          | 15.369 | 149  | 541423   | 43.253 | ng    | 98       |  |
| 61) 4-Chlorophenyl-phenyle... | 15.581 | 204  | 300787   | 43.988 | ng    | 95       |  |
| 62) 4-Nitroaniline            | 15.622 | 138  | 115324   | 43.299 | ng    | 99       |  |
| 63) Azobenzene                | 15.875 | 77   | 497785   | 41.124 | ng    | 98       |  |
| 65) 4,6-Dinitro-2-methylph... | 15.681 | 198  | 86995    | 41.232 | ng    | 92       |  |
| 66) n-Nitrosodiphenylamine    | 15.804 | 169  | 461747   | 41.667 | ng    | 99       |  |
| 67) 4-Bromophenyl-phenylether | 16.480 | 248  | 201163   | 43.488 | ng    | 95       |  |
| 68) Hexachlorobenzene         | 16.580 | 284  | 236123   | 43.712 | ng    | 96       |  |
| 69) Atrazine                  | 16.763 | 200  | 183929   | 50.017 | ng    | 97       |  |
| 70) Pentachlorophenol         | 16.939 | 266  | 304051   | 90.385 | ng    | 98       |  |
| 71) Phenanthrene              | 17.333 | 178  | 853340   | 43.822 | ng    | 99       |  |
| 72) Anthracene                | 17.427 | 178  | 861959   | 44.373 | ng    | 99       |  |
| 73) Carbazole                 | 17.704 | 167  | 776619   | 44.008 | ng    | 98       |  |
| 74) Di-n-butylphthalate       | 18.257 | 149  | 929627   | 43.568 | ng    | 100      |  |
| 75) Fluoranthene              | 19.304 | 202  | 1127840  | 47.411 | ng    | 99       |  |
| 77) Benzidine                 | 19.492 | 184  | 339525   | 39.577 | ng    | 99       |  |
| 78) Pyrene                    | 19.651 | 202  | 1178614  | 40.698 | ng    | 100      |  |
| 80) Butylbenzylphthalate      | 20.539 | 149  | 438498   | 40.545 | ng    | 98       |  |
| 81) Benzo(a)anthracene        | 21.368 | 228  | 1279994  | 44.313 | ng    | 99       |  |
| 82) 3,3'-Dichlorobenzidine    | 21.304 | 252  | 428765   | 40.735 | ng    | 98       |  |
| 83) Chrysene                  | 21.421 | 228  | 1196008  | 43.612 | ng    | 100      |  |
| 84) Bis(2-ethylhexyl)phtha... | 21.304 | 149  | 636441   | 38.646 | ng    | 99       |  |
| 85) Di-n-octyl phthalate      | 22.245 | 149  | 1126310  | 38.871 | ng    | 99       |  |
| 87) Indeno(1,2,3-cd)pyrene    | 26.333 | 276  | 1642607  | 43.157 | ng    | 97       |  |
| 88) Benzo(b)fluoranthene      | 23.068 | 252  | 1394924  | 44.512 | ng    | 99       |  |
| 89) Benzo(k)fluoranthene      | 23.115 | 252  | 1251056  | 41.792 | ng    | 99       |  |
| 90) Benzo(a)pyrene            | 23.698 | 252  | 1234290  | 44.265 | ng    | 99       |  |
| 91) Dibenzo(a,h)anthracene    | 26.356 | 278  | 1341557  | 42.856 | ng    | 97       |  |
| 92) Benzo(g,h,i)perylene      | 27.115 | 276  | 1281868  | 40.364 | ng    | 97       |  |

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

