

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102922\  
 Data File : BF130851.D  
 Acq On : 29 Oct 2022 12:08  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 10/31/2022  
 Supervised By : Jagrut Upadhyay 11/01/2022

Quant Time: Oct 30 23:22:13 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 29 05:41:34 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.945  | 152  | 93990    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.228  | 136  | 345842   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.992  | 164  | 183328   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.480 | 188  | 341096   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.127 | 240  | 219106   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.639 | 264  | 152858   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.551  | 112  | 429506   | 79.221 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.563  | 99   | 547328   | 77.686 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.510  | 82   | 514754   | 89.749 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.780 | 330  | 136539   | 88.475 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.310  | 172  | 966891   | 79.738 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.069 | 244  | 1007129  | 84.229 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.763  | 88   | 98307    | 40.443 | ng    | 92       |
| 3) Pyridine                   | 3.528  | 79   | 276647   | 40.633 | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.499  | 42   | 165992   | 43.429 | ng    | 96       |
| 6) Aniline                    | 6.610  | 93   | 340147m  | 39.044 | ng    |          |
| 8) 2-Chlorophenol             | 6.728  | 128  | 242343   | 40.126 | ng    | 98       |
| 9) Benzaldehyde               | 6.498  | 77   | 166048   | 36.824 | ng    | 94       |
| 10) Phenol                    | 6.575  | 94   | 298676   | 39.395 | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.681  | 93   | 236463   | 40.009 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.887  | 146  | 274553   | 40.117 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.963  | 146  | 281296   | 40.493 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.116  | 146  | 256656   | 39.893 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.081  | 79   | 236671   | 39.506 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.216  | 45   | 419375   | 39.808 | ng    | 99       |
| 17) 2-Methylphenol            | 7.187  | 107  | 203617   | 39.445 | ng    | 99       |
| 18) Hexachloroethane          | 7.457  | 117  | 101705   | 40.509 | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 7.357  | 70   | 186111   | 38.825 | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.339  | 107  | 260972   | 38.883 | ng    | 99       |
| 22) Acetophenone              | 7.357  | 105  | 340520   | 40.610 | ng    | 99       |
| 24) Nitrobenzene              | 7.528  | 77   | 273285   | 43.575 | ng    | 98       |
| 25) Isophorone                | 7.769  | 82   | 470603   | 39.790 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.845  | 139  | 90236    | 37.471 | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.869  | 122  | 195288   | 39.674 | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 7.975  | 93   | 260307   | 39.408 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.081  | 162  | 204962   | 40.478 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.169  | 180  | 220133   | 40.429 | ng    | 97       |
| 31) Naphthalene               | 8.251  | 128  | 718270   | 39.807 | ng    | 99       |
| 32) Benzoic acid              | 7.981  | 122  | 114521   | 35.179 | ng    | 95       |
| 33) 4-Chloroaniline           | 8.298  | 127  | 284002   | 39.832 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.363  | 225  | 149811   | 41.447 | ng    | 99       |
| 35) Caprolactam               | 8.675  | 113  | 62515    | 38.526 | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 8.769  | 107  | 222942   | 40.590 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.945  | 142  | 452008   | 39.825 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.045  | 142  | 430952   | 39.016 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.110  | 216  | 219349   | 42.192 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.092  | 237  | 110238   | 40.356 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.216  | 196  | 151441   | 41.921 | ng    | 99       |

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| 44) 2,4,5-Trichlorophenol     | 9.251  | 196  | 160464   | 41.576 | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.410  | 154  | 530856   | 40.644 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.433  | 162  | 432735   | 41.318 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.528  | 65   | 140934   | 42.380 | ng    | 98       |
| 49) Acenaphthylene            | 9.851  | 152  | 672117   | 40.610 | ng    | 99       |
| 50) Dimethylphthalate         | 9.710  | 163  | 509111   | 40.431 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.769  | 165  | 96816    | 40.885 | ng    | 93       |
| 52) Acenaphthene              | 10.028 | 154  | 416029   | 40.651 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.945  | 138  | 112760   | 45.975 | ng    | 87       |
| 54) 2,4-Dinitrophenol         | 10.039 | 184  | 35084    | 40.765 | ng    | 92       |
| 55) Dibenzofuran              | 10.198 | 168  | 594647   | 40.087 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.086 | 139  | 85032    | 43.786 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.175 | 165  | 119908   | 40.498 | ng    | 95       |
| 58) Fluorene                  | 10.539 | 166  | 476096   | 40.760 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.310 | 232  | 131969   | 41.473 | ng    | 99       |
| 60) Diethylphthalate          | 10.410 | 149  | 508412   | 41.054 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.533 | 204  | 224561   | 40.187 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.557 | 138  | 115057   | 46.328 | ng    | 96       |
| 63) Azobenzene                | 10.692 | 77   | 529415   | 40.953 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.580 | 198  | 51377    | 38.016 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.651 | 169  | 431299   | 40.538 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 11.027 | 248  | 141162   | 41.152 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.086 | 284  | 155510   | 41.147 | ng    | 99       |
| 69) Atrazine                  | 11.175 | 200  | 128233   | 41.735 | ng    | 99       |
| 70) Pentachlorophenol         | 11.275 | 266  | 88792    | 41.171 | ng    | 97       |
| 71) Phenanthrene              | 11.510 | 178  | 714506   | 40.585 | ng    | 99       |
| 72) Anthracene                | 11.557 | 178  | 702557   | 40.460 | ng    | 99       |
| 73) Carbazole                 | 11.710 | 167  | 620336   | 39.892 | ng    | 100      |
| 74) Di-n-butylphthalate       | 12.039 | 149  | 762491   | 40.374 | ng    | 100      |
| 75) Fluoranthene              | 12.698 | 202  | 762199   | 40.748 | ng    | 99       |
| 77) Benzidine                 | 12.816 | 184  | 194794   | 36.624 | ng    | 99       |
| 78) Pyrene                    | 12.927 | 202  | 770023   | 41.656 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.545 | 149  | 290232   | 43.640 | ng    | 94       |
| 81) Benzo(a)anthracene        | 14.115 | 228  | 592348   | 40.776 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.080 | 252  | 155734   | 39.721 | ng    | 94       |
| 83) Chrysene                  | 14.157 | 228  | 560342   | 39.990 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.104 | 149  | 341653   | 42.726 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.721 | 149  | 438488   | 39.732 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.186 | 276  | 473529   | 46.649 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.192 | 252  | 394008   | 39.874 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.221 | 252  | 405651   | 42.130 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.574 | 252  | 326616   | 41.119 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.209 | 278  | 390598   | 47.202 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.656 | 276  | 399668   | 47.341 | ng    | 99       |

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

